

FIG. - 2

FIG. - 3

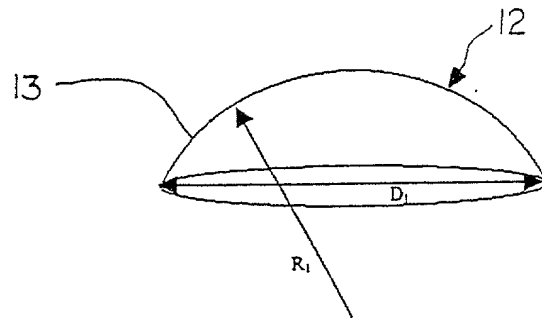


FIG. - 5A

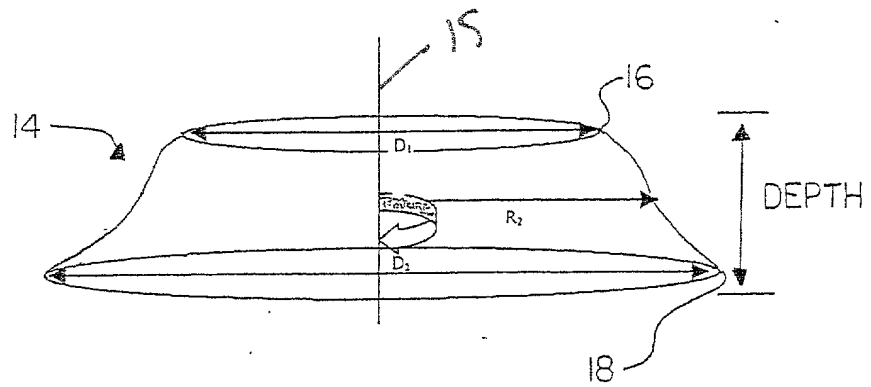


FIG.-4A

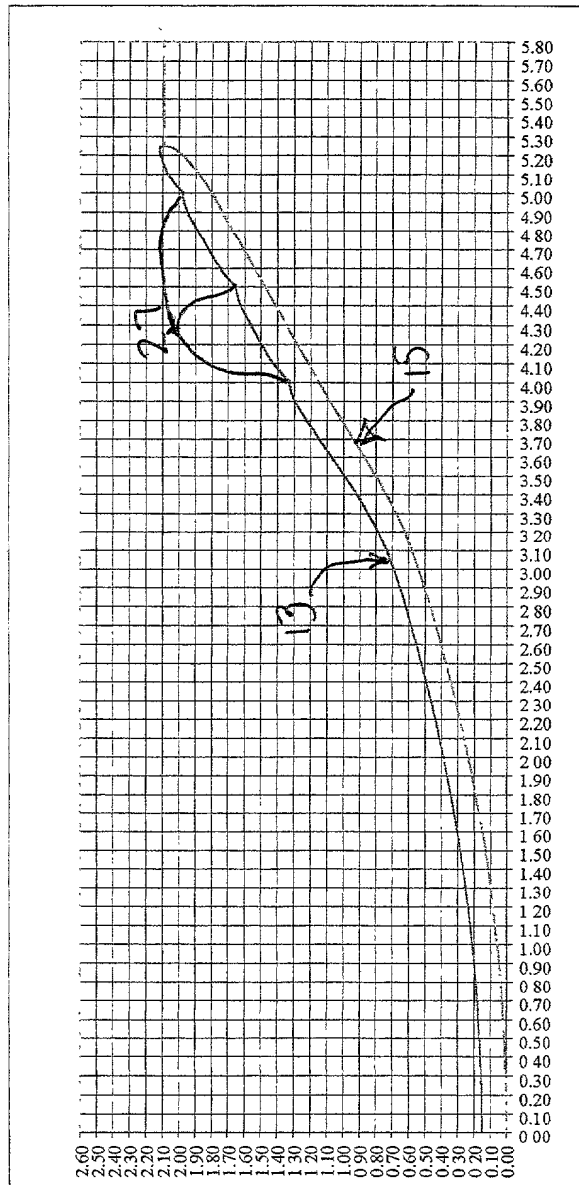


FIG.-4B

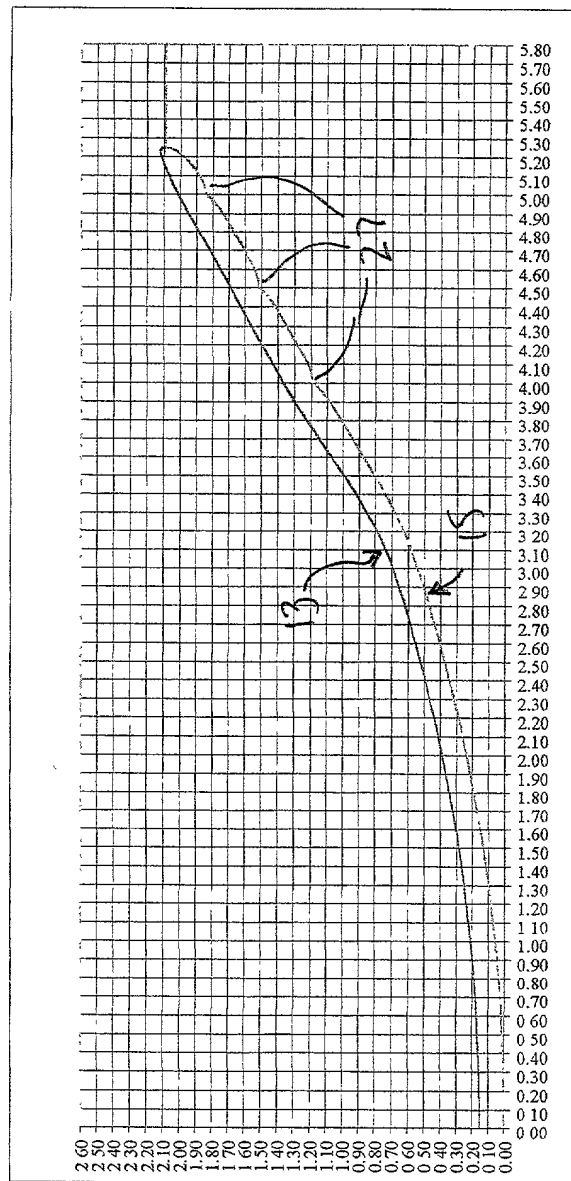


FIG. - 7

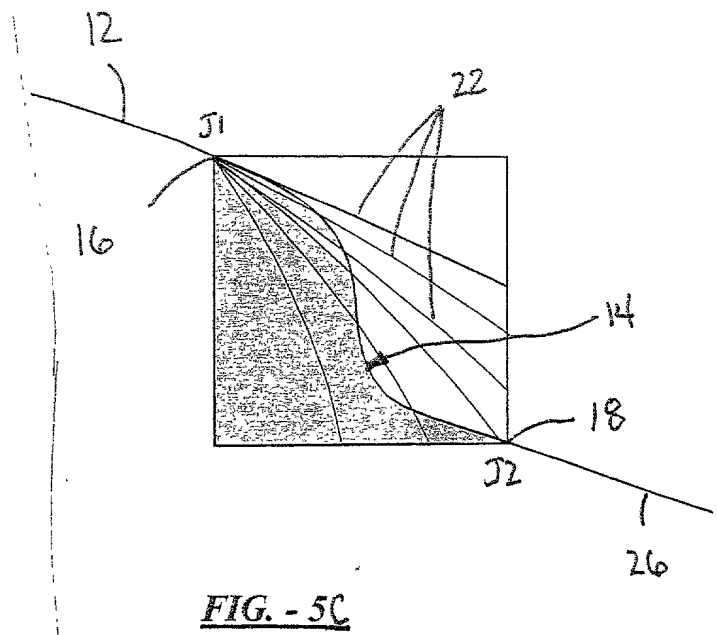
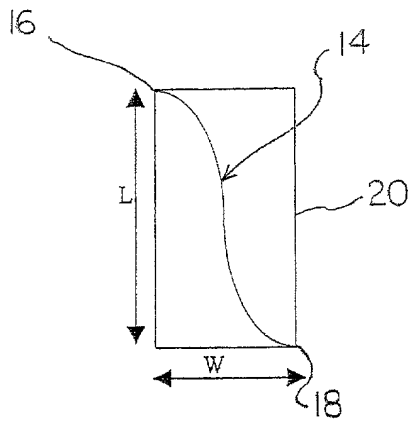


FIG. - 6

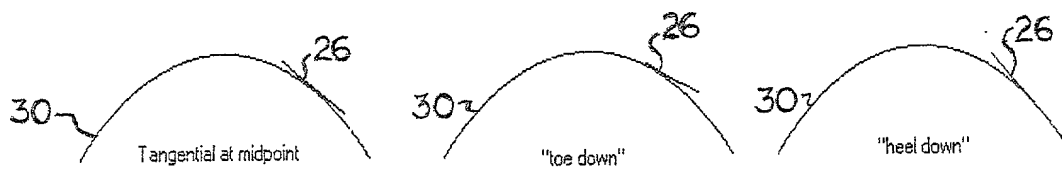
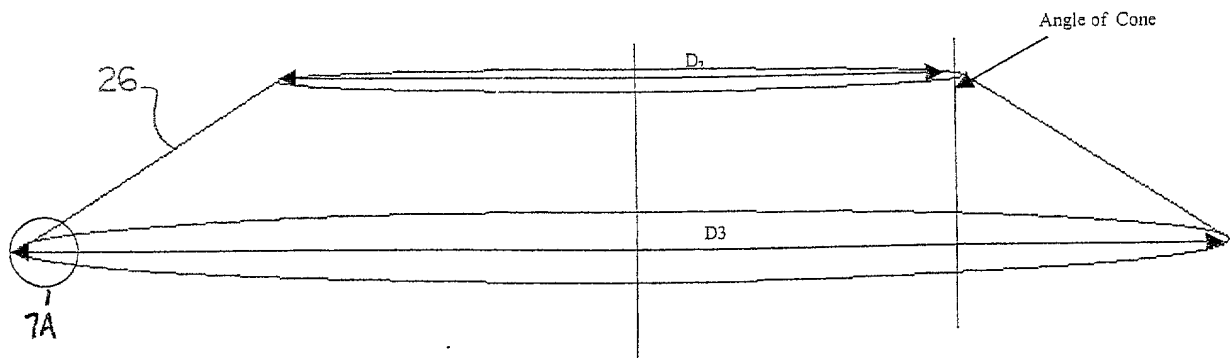


FIG. - 8A

FIG. - 8B

FIG. - 8C

5

FIG.-10

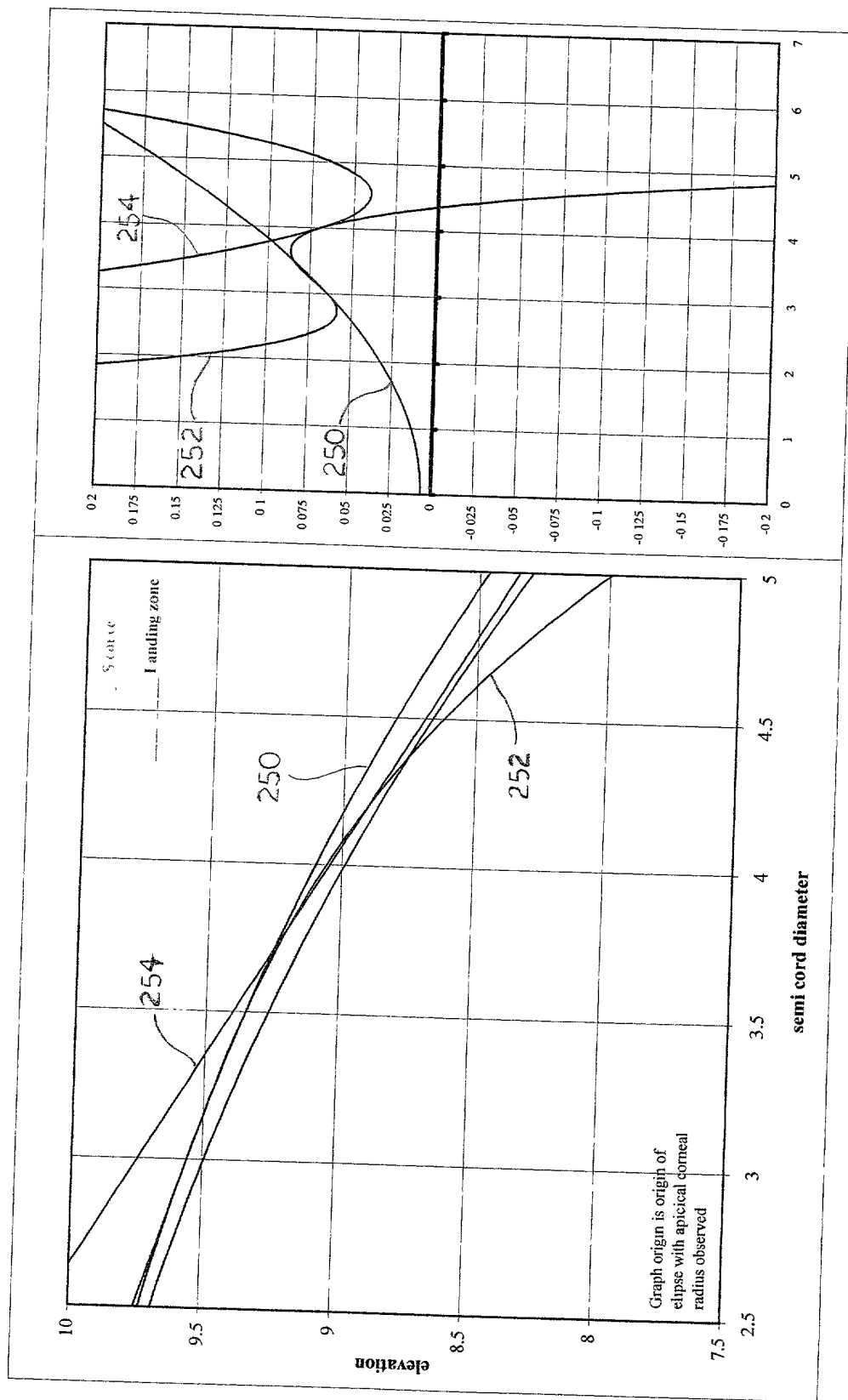


FIG.-12

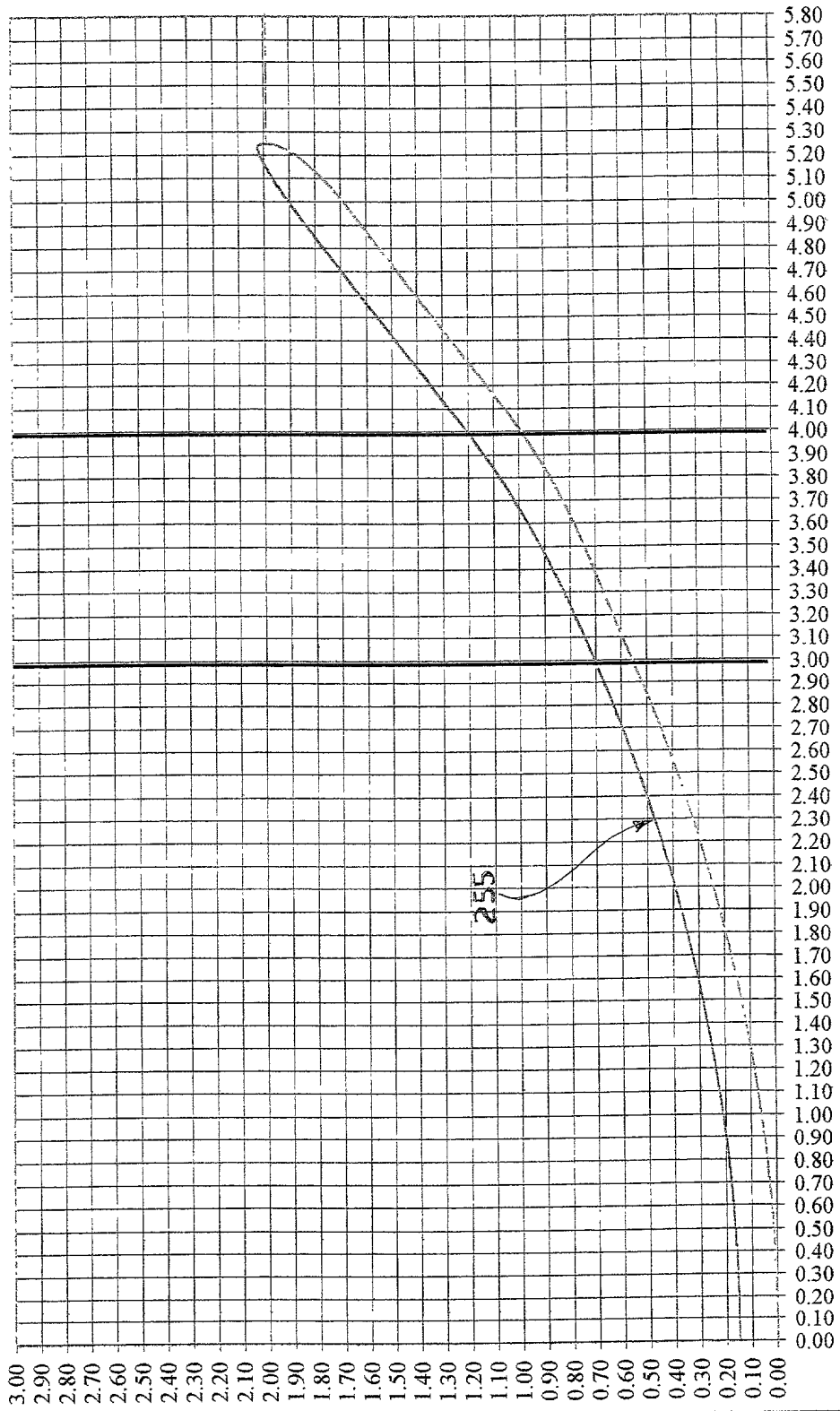


FIG.-13

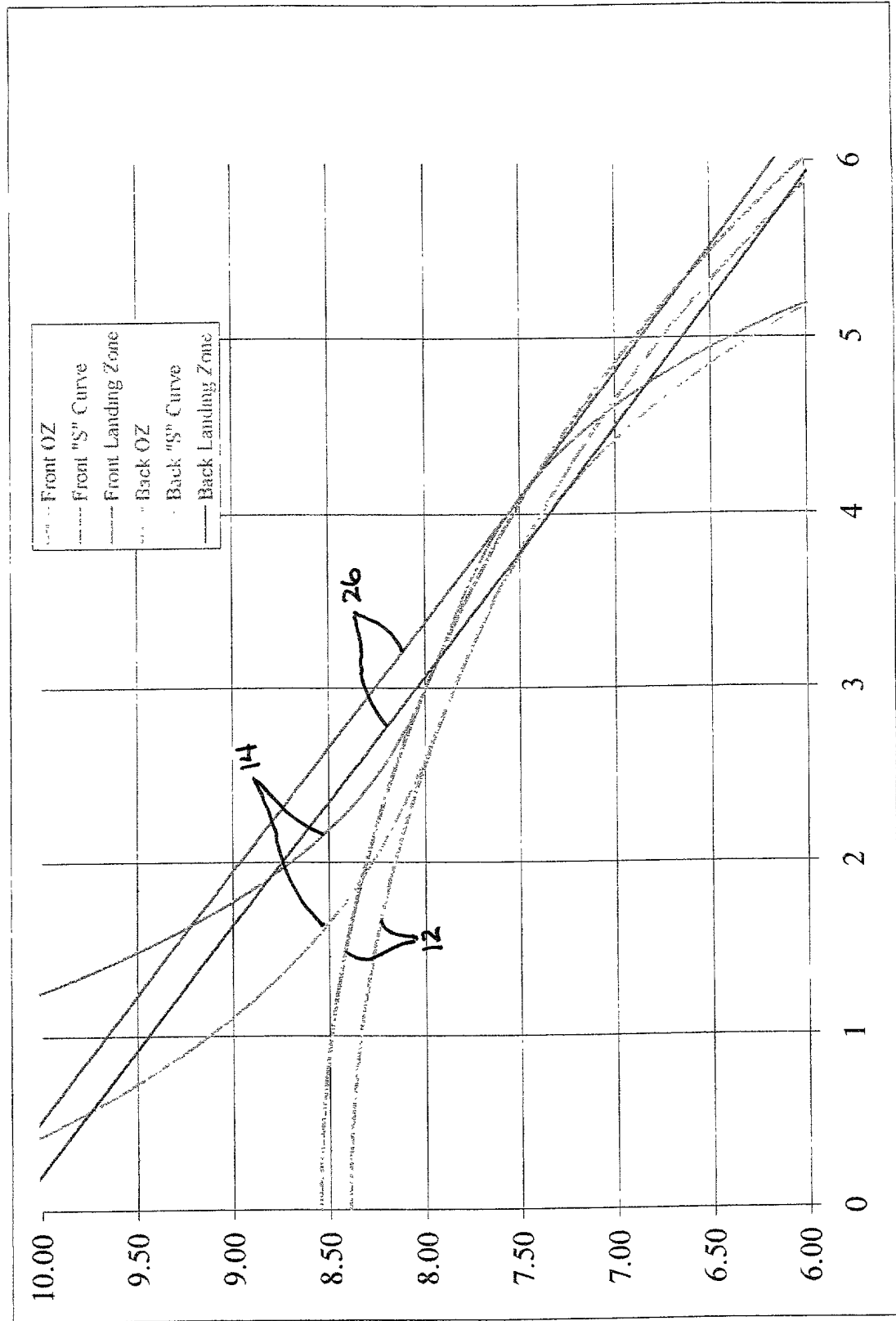


FIG.-15

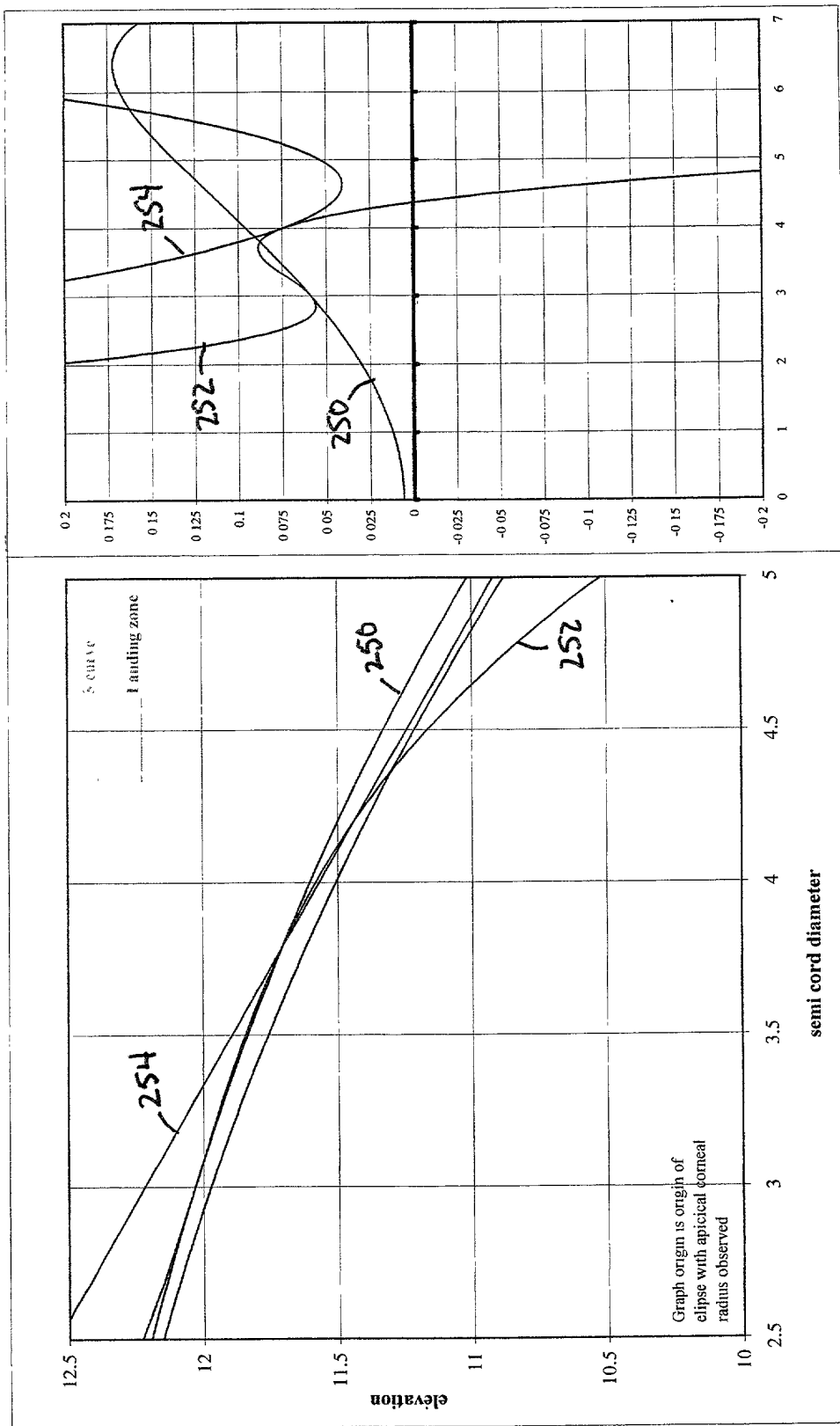


FIG.-16

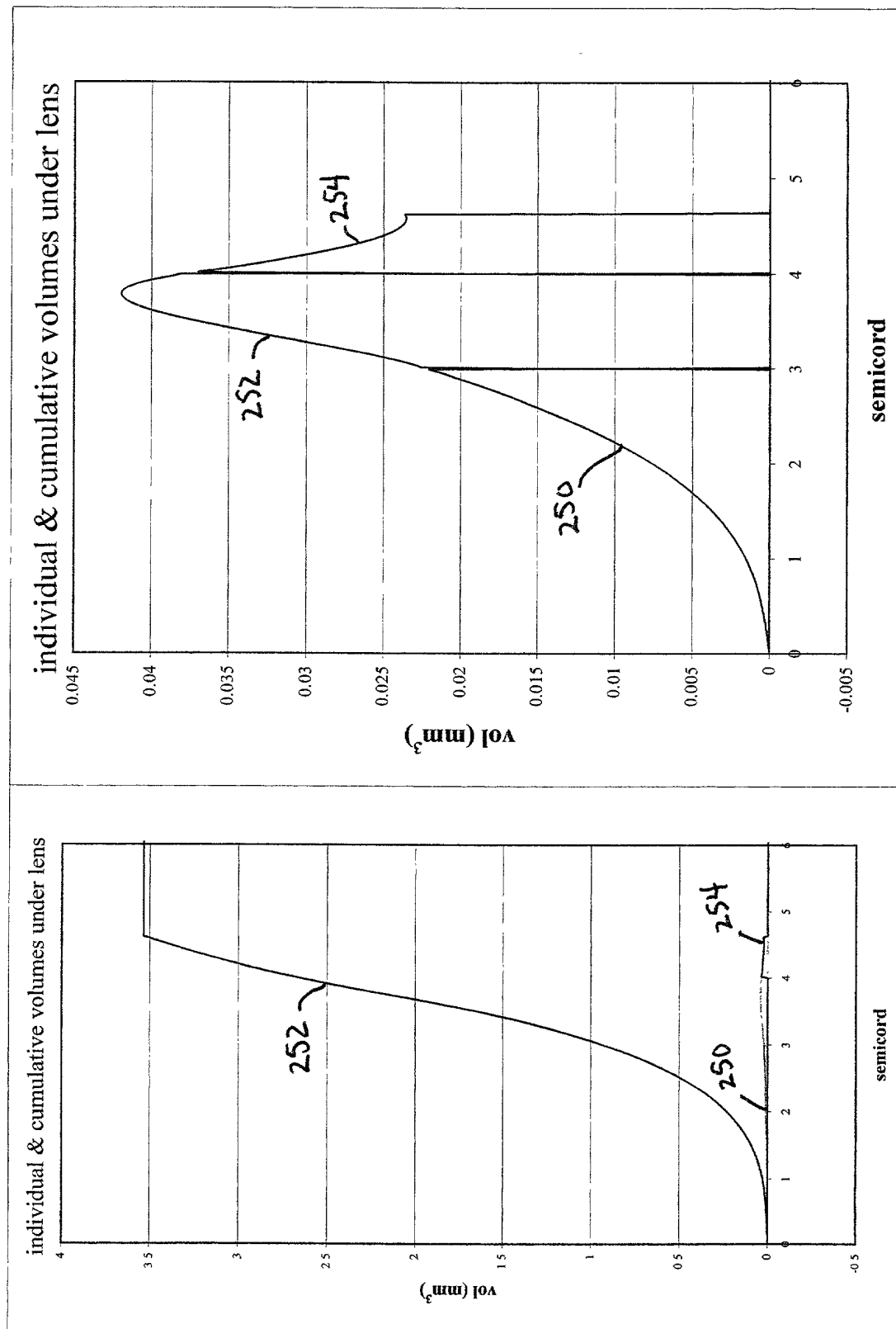


FIG.-17

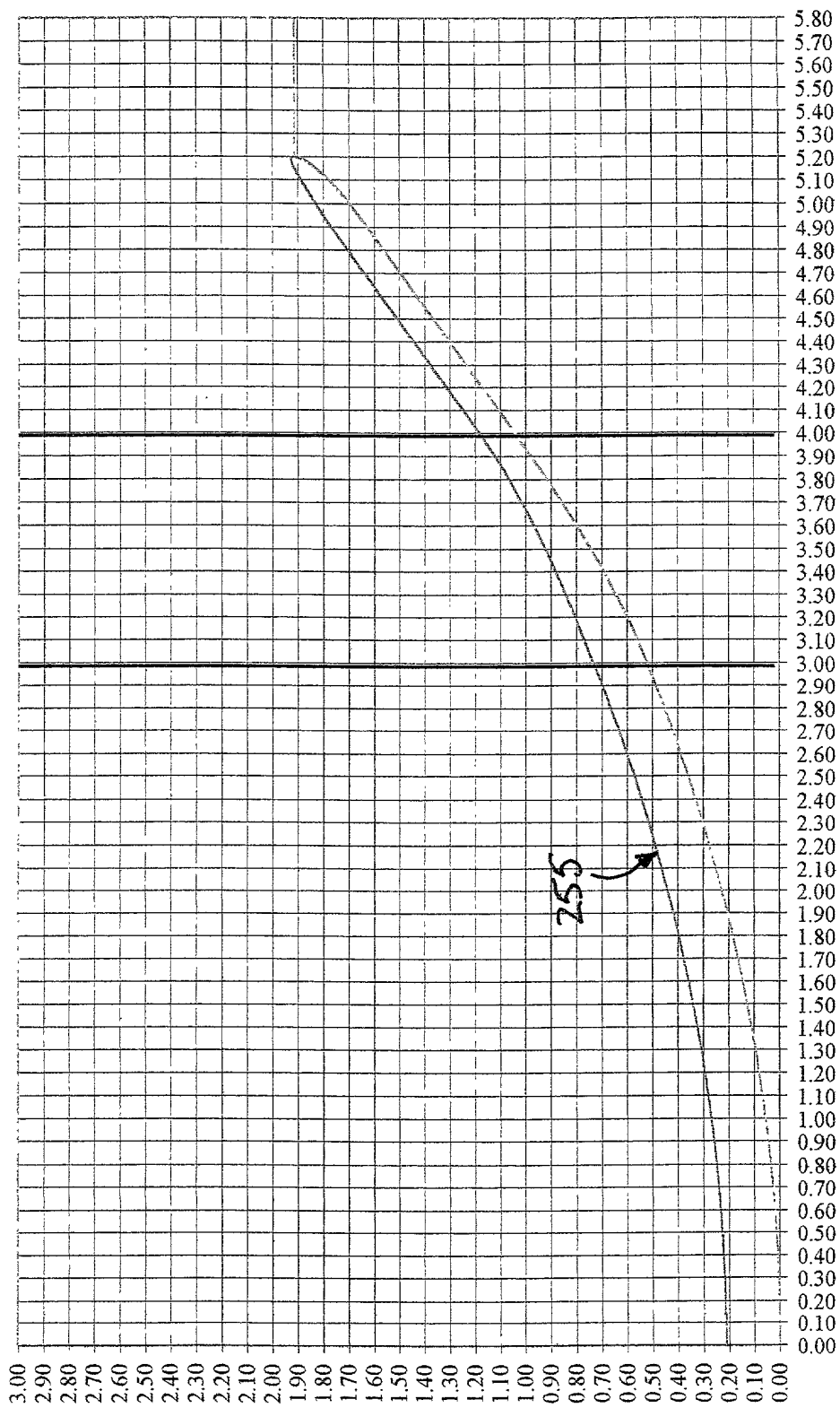
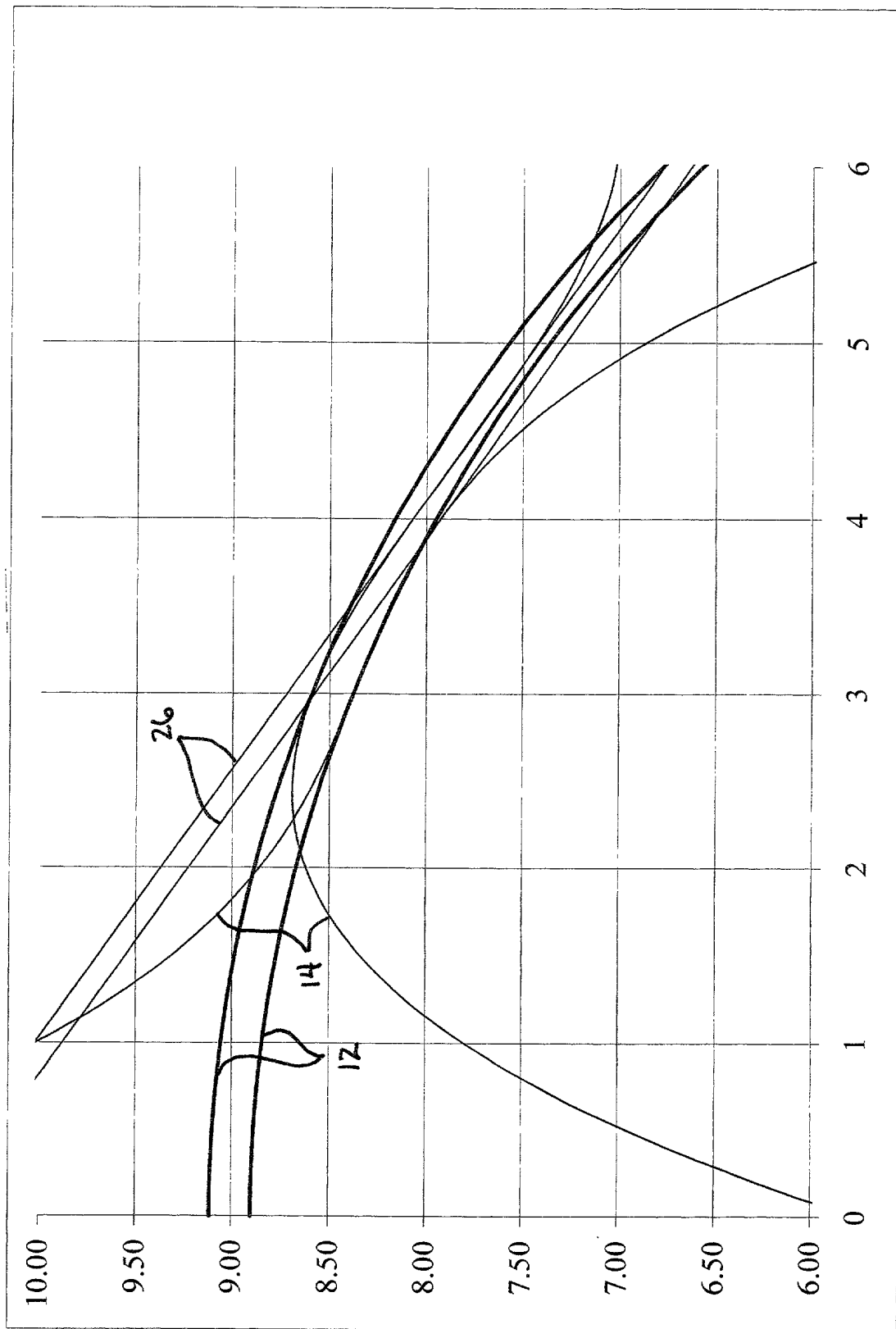


FIG.-18



[illegible]

FIG.-20

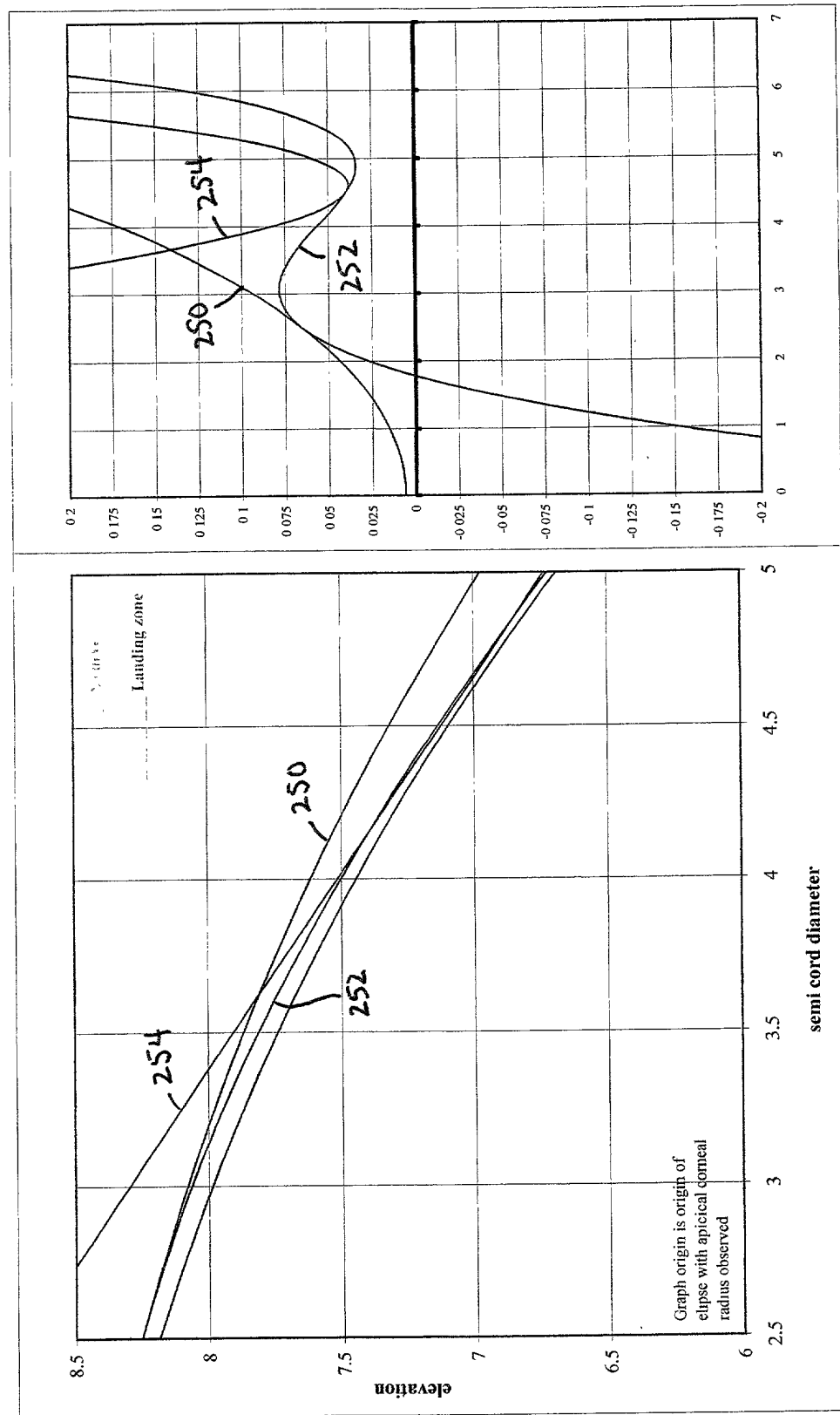


FIG.-21

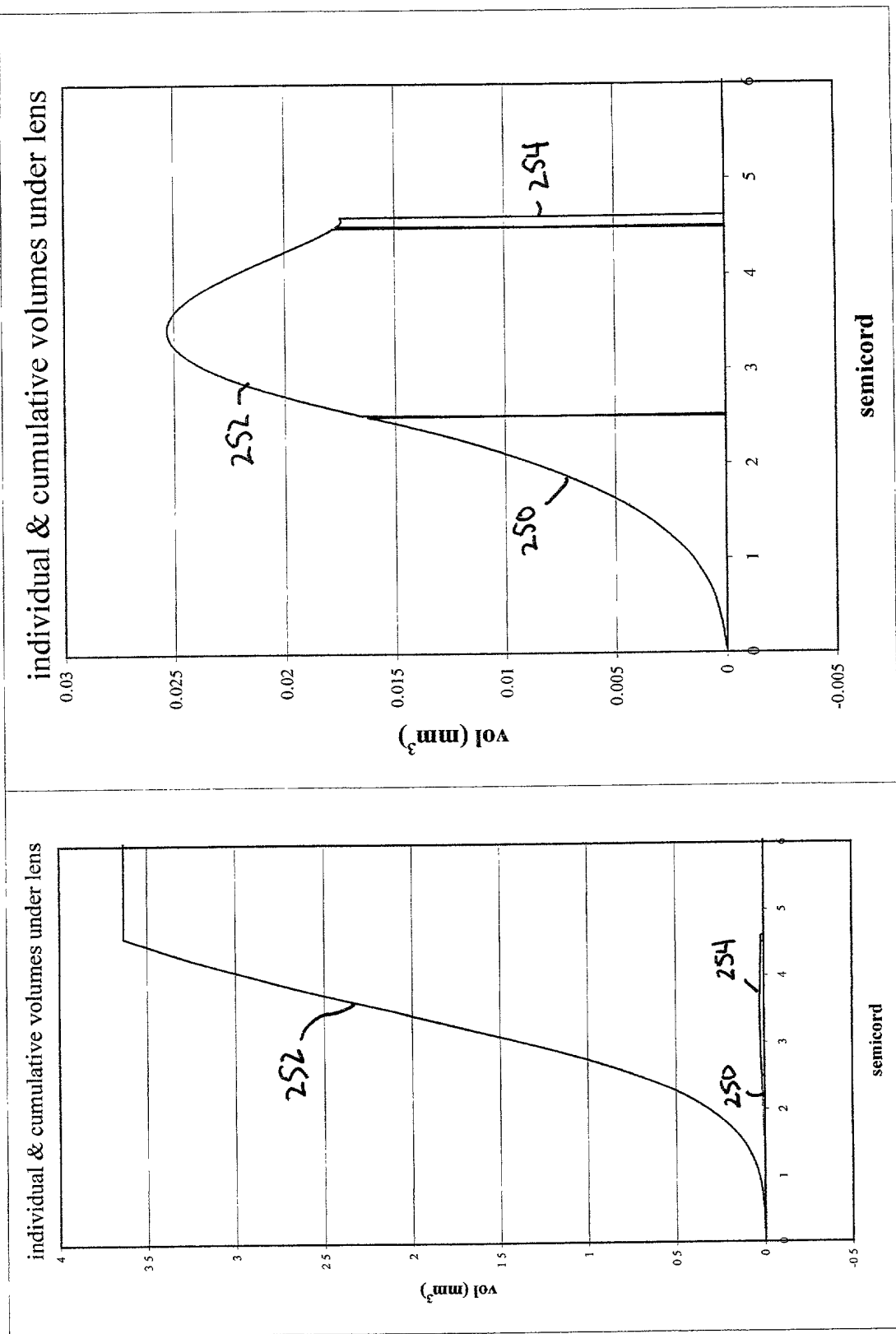


FIG.-22

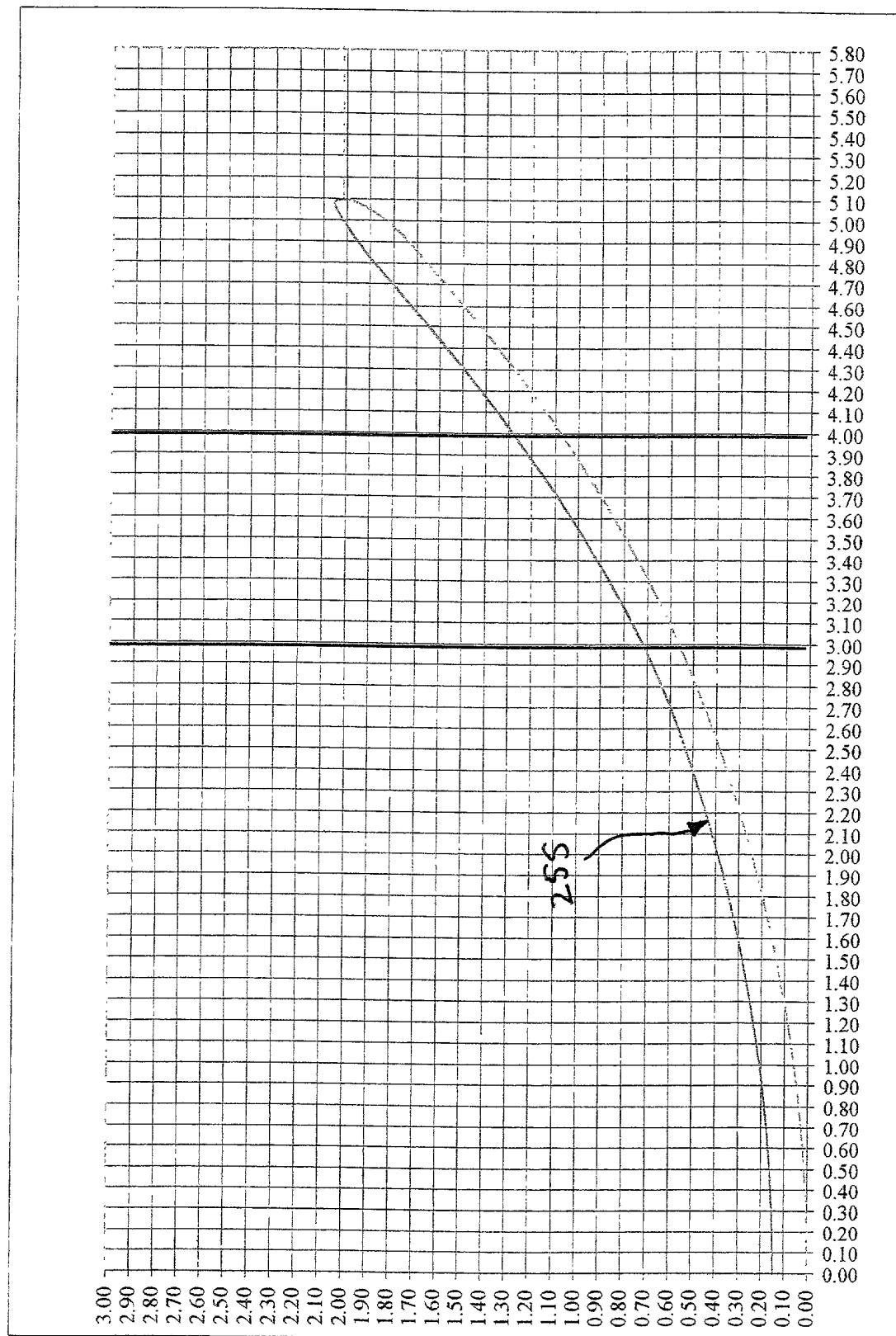
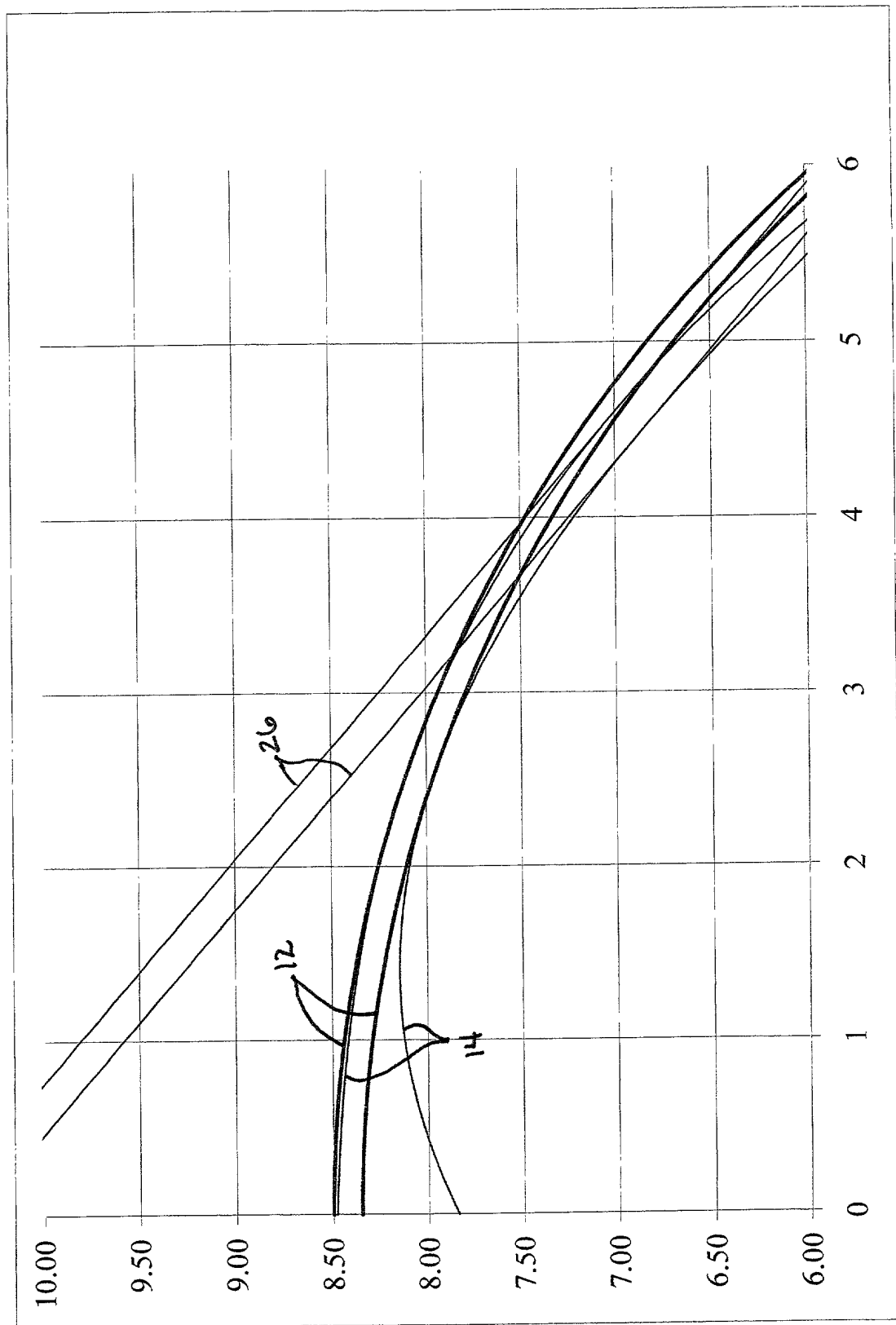


FIG.-23



BC	Selected bc (6.9-10.4/0.1) (7.70-9.1/0.05)	9.30	Suggested Base Curve is 9.3									
J1	Radial distance (OZ/2) from the lens center to 1st junction mm (1.0-5.9/0.1)	3.00	4B			corneal apical radius (mm)		lens / cornea power (D) difference wanted		ellipticity of the cornea		HVID (mm)
SW	Width of the S curve mm (.75,1)	1.00	EYE				8.13	-5.25		0.3		11.9
MAT	Lens material (FP30, FP60, FP92, FP151, HDS, Other)	HDS		Ref. Index of material used = 1.449 If 'other' was selected input RI in Cell H4		Volume between BC and cornea (uL) = 1.213		Actual power (D) difference between bc and apical cornea = -5.22		Desired edge lift (mm) when landed at full Diameter = 0.0875		1.45
P	lens power desired (-1.00, -0.50, 0.00, 0.50, 0.75, 1.0, 1.25, 1.5, 2.0, 2.5)			Front Surface central radius = 9.24		Volume between S curve and cornea (uL) = 2.389		Recommended diameter for lentic = 9.791		Ab, the long axis of the ellipse creating the base curve edge (below)	FOR SPHERICAL FRONTS target edge thickness below	
Q2	Delta R (mm) translation of 1st junction radially from BC origin (0.08-0.2/0.02)	222	0.08	True center thickness (mm) = 0.088		Volume between pretouch Landing Zone and cornea (uL) = 1.360		recommended radius of curve for lentic = 10.059		2.00		0.18
Q2	Delta R (mm) translation of 2nd junction radially from BC origin (0.1-0.22/0.02)	242	0.22	true offset between landing zones at J2 = 0.217		TOTAL VOLUME = 4.963(uL)		Origin for lentic curve is on y axis displaced from apex of front curve = 10.191		Af, the long axis of the ellipse creating the front curve edge (below)	SPHERICAL FRONTS- max thickness peripheral to J1 before lentic (in mm > Delta 2) see below	
A	Angle of the landing zone (-25.5 to -50.0/5)	-35.00		Present lens height (mm) above cornea at diameter of tangential touch = 0.050		Diameter where LZ would make tangential touch = 9.47		Estimated elevation at J2 = 0.106		2.00		0.01
D	selected lens diameter mm (8.0-12.9/0.1)	209	10.90	Diameter recommended from HVID = 10.9		Dia giving desired LZ lift = 10.69		fixed (tear thickness)		base to front at which the transition from base ellipse to front ellipse is found (below)	Minimum thickness peripheral to J1 before lentic (in mm > Delta 1) see below	
SD	Selected depth of the S curve mm (.15-1.0/0.05) (0.3-0.65/0.025) use next smaller than est.	0.450		Recommended depth (mm) S curve for desired correction @6u/D = 0.462 mm		Edge lift at selected diameter = 0.107		0.006		245	0.40	0.01

FIG-24

FIG. 25

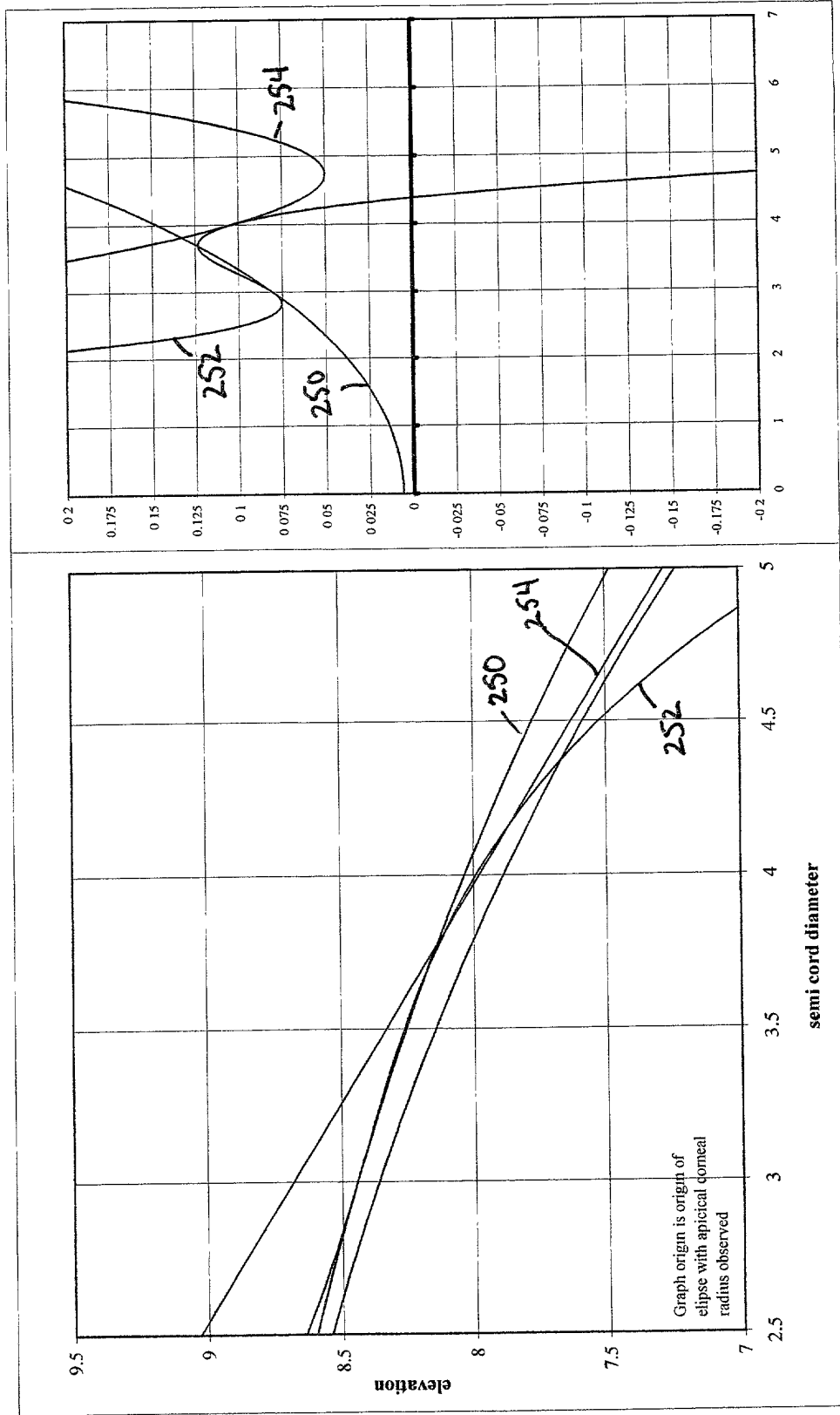


FIG.-26

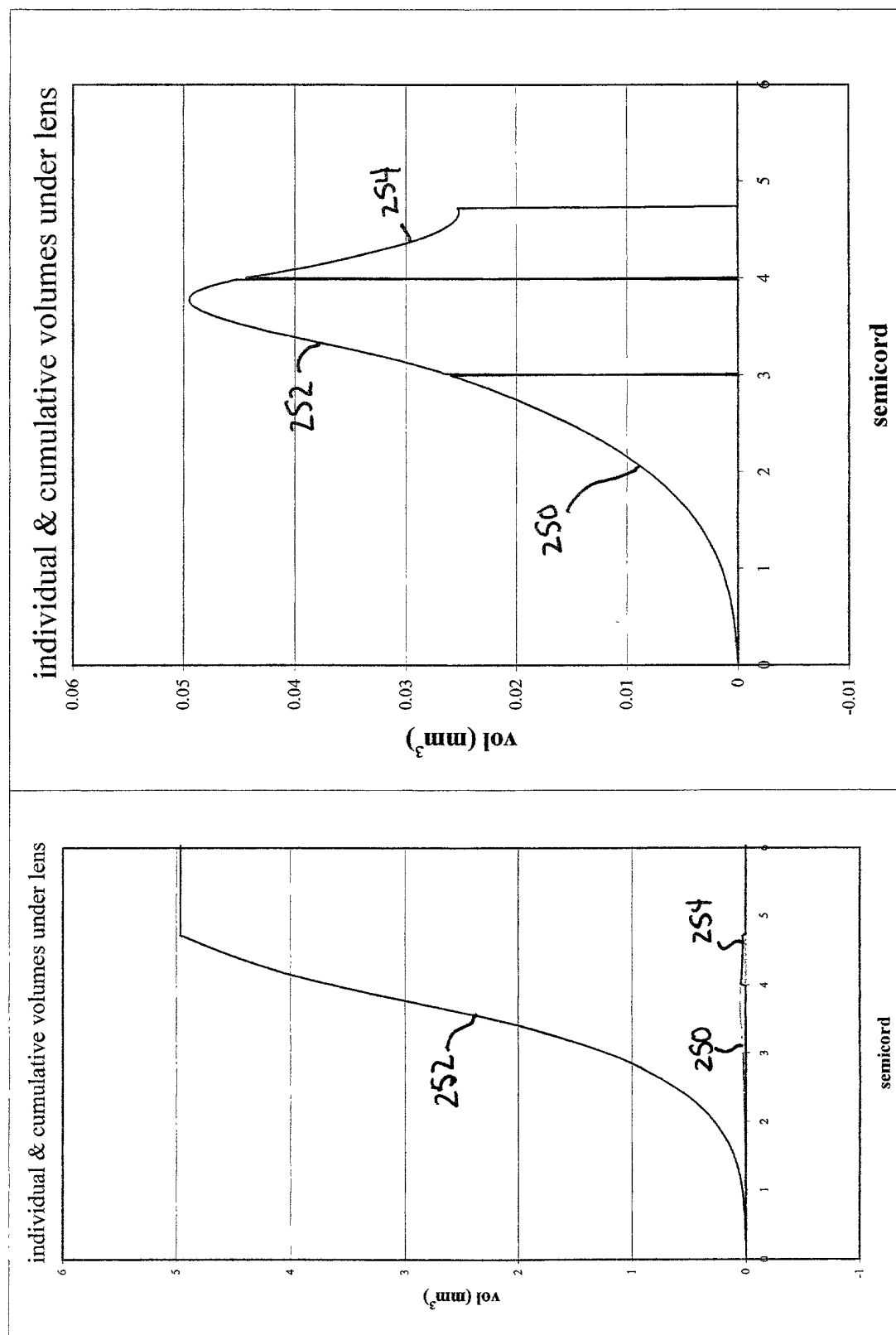


FIG.-27

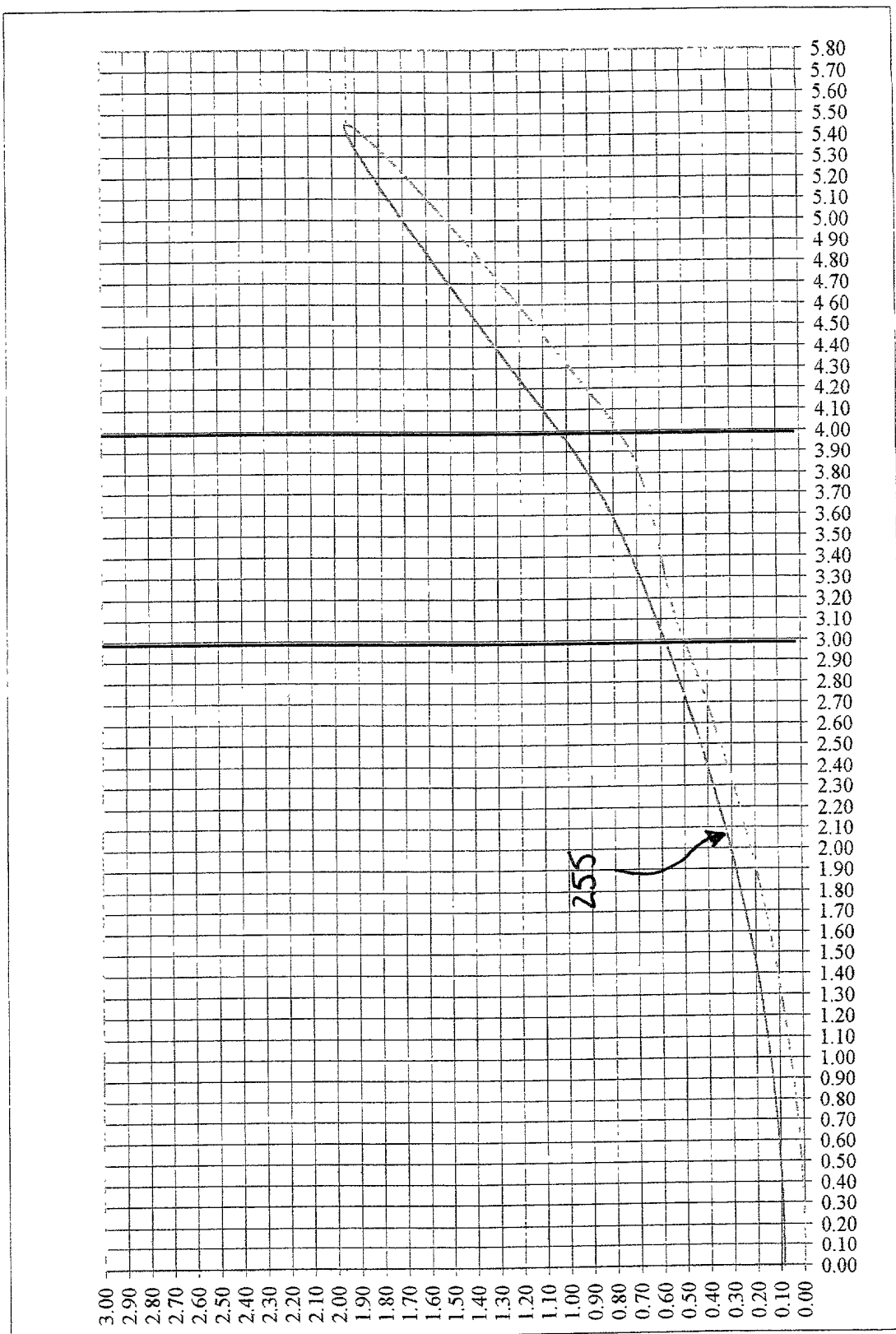


FIG.-28

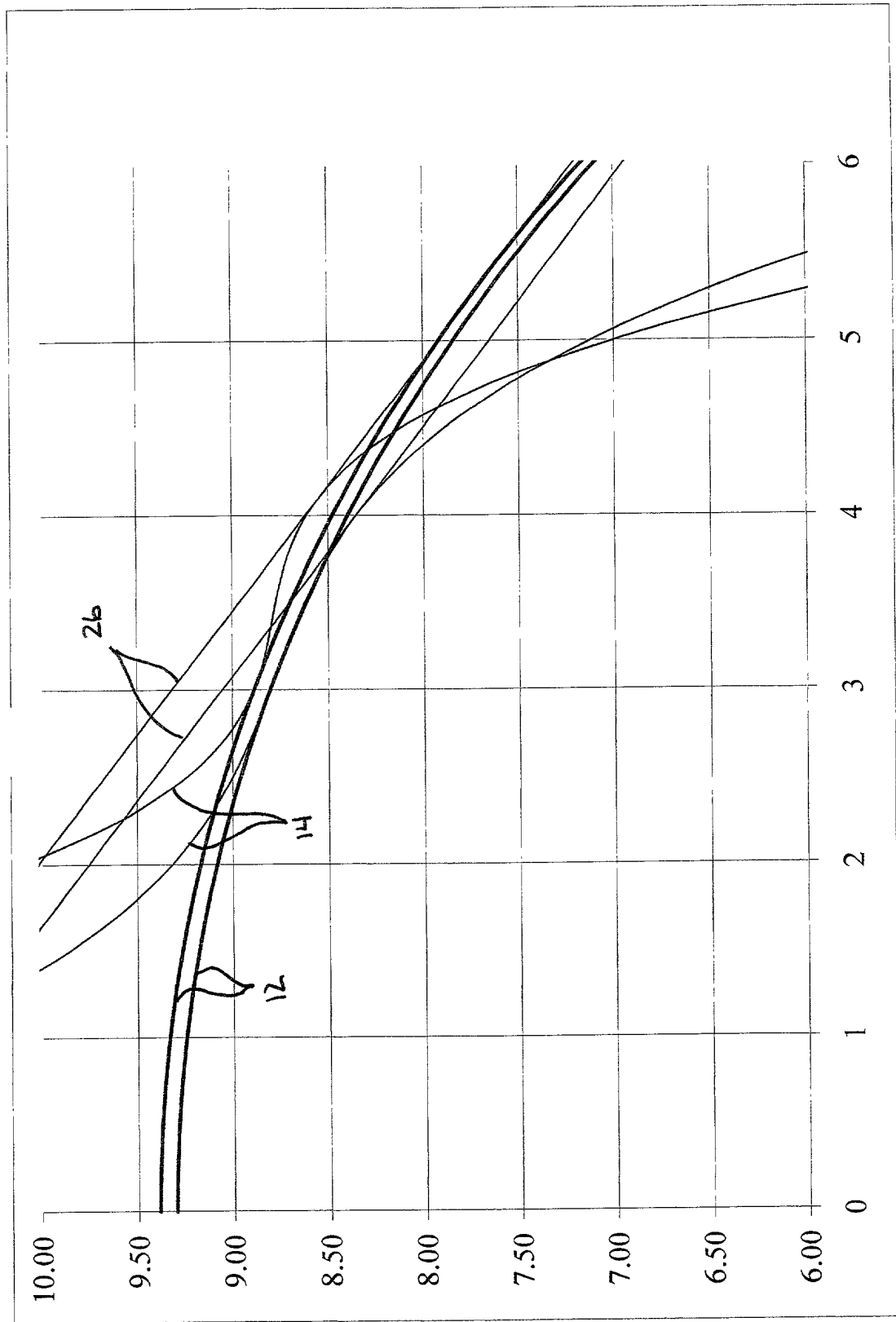
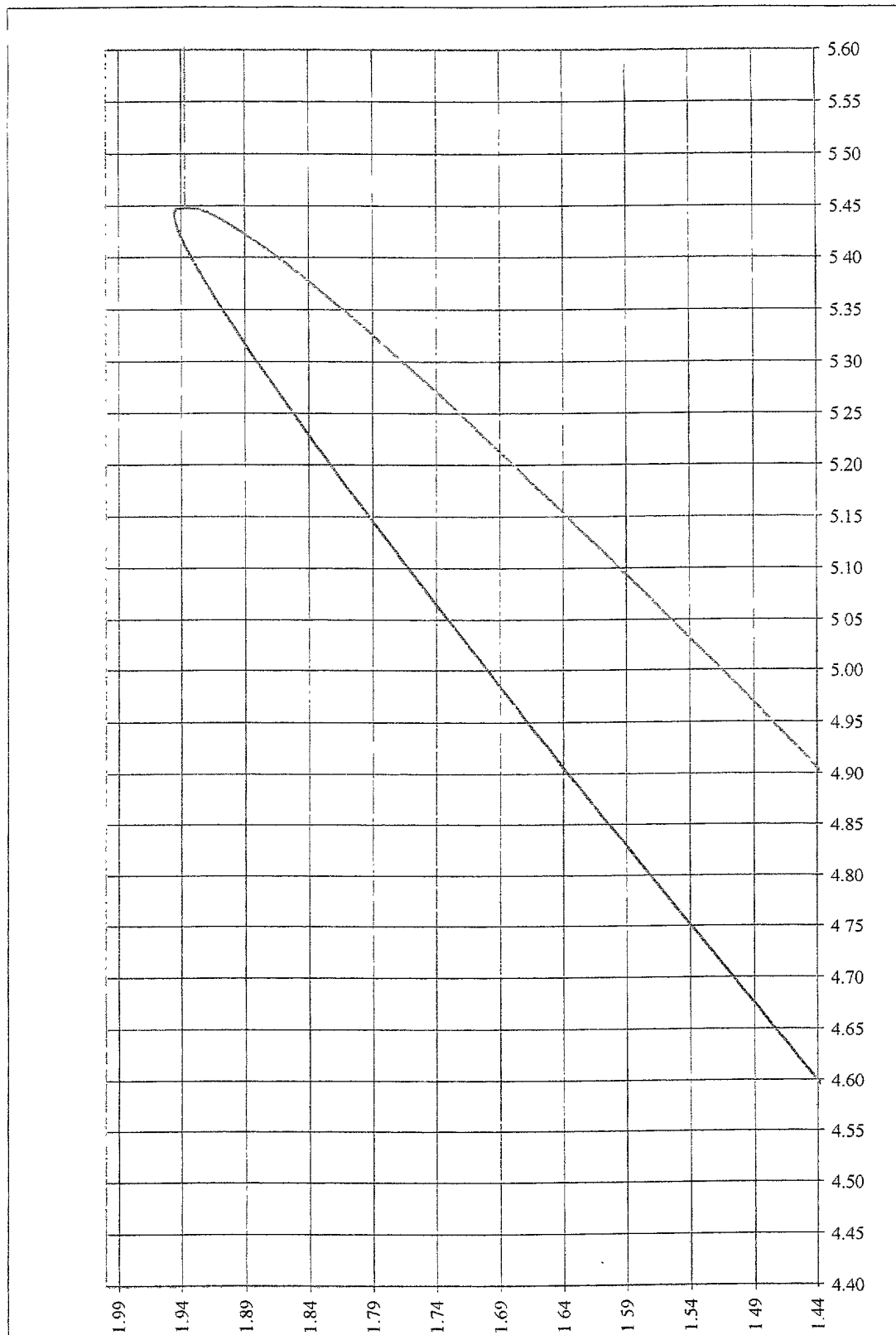


FIG.-29



BC	Selected bc (6.9-10.4/0.1) (7.70-9.1/0.05)	8.40	Suggested Base Curve is 8.4			
J1	Radial distance (OZ/2) from the lens center to 1st junction mm (1 0-5.9/0.1)	3.00	5B	corneal apical radius (mm)	7.75	lens / cornea power (D) difference wanted
SW	Width of the S curve mm (75,1)	1.00	EYE			0.7
MAT	Lens material (FP30, FP60, FP92, FPI51, HDS, Other)	HDS	Ref. Index of material used = 1.449 If other was selected input RI in Cell H4	Volume between BC and cornea (uL) = 0.748	Actual power (D) difference between bc and apical cornea = -3.37	11
P	lens power desired (-1.00, -0.50, 0.00, 0.50, 0.75, 1.0, 1.25, 1.5, 2.0, 2.5)	0.50	Front Surface central radius = 8.36	Volume between S curve and cornea (uL) = 1.195	Recommended diameter for lentic = 7.735	1.45
Q2	Delta R (mm) translation of 1st junction radially from BC origin (0.08-0.2/0.02)	222 0.10	True center thickness (mm) = 0.110	Volume between pretouch Landing Zone and cornea (uL) = 0.439	recommended radius of curve for lentic = 9.295	FOR SPHERICAL FRONTS target edge thickness below
Q2	Delta R (mm) translation of 2nd junction radially from BC origin (0.1-0.22/0.02)	242 0.10	true offset between landing zones at J2 = 0.100	TOTAL VOLUME = 2.382(uL)	Origin for lentic curve is on y axis displaced from apex of front curve = 9.400	0.18
A	Angle of the landing zone (-25.5 to -50.0/0.5)	-32.50	Present lens height (mm) above cornea at diameter of tangential touch = 0.027	Diameter where LZ would make tangential touch = 8.99	Estimated elevation at J2 = 0.047	SPHERICAL FRONTS- max thickness peripheral to J1 before lentic (in mm > Delta 2) see below
D	selected lens diameter mm (8.0-12.9/0.1)	10.00	Diameter recommended from HVID = 10	Dia giving desired LZ lift = 10.59	base to front at which the transition from base elipse to front elipse is found (below)	0.01
SD	Selected depth of the S curve mm (.15-1.0/0.05) (0.3-0.65/.025) use next smaller than est.	0.475	Recommended depth (mm) S curve for desired correction @6u/D = 0.478 mm	Edge lift at selected diameter = 0.048	0.006	Minimum thickness peripheral to J1 before lentic (in mm > Delta 1) see below
					0.25	0.01

FIG-30

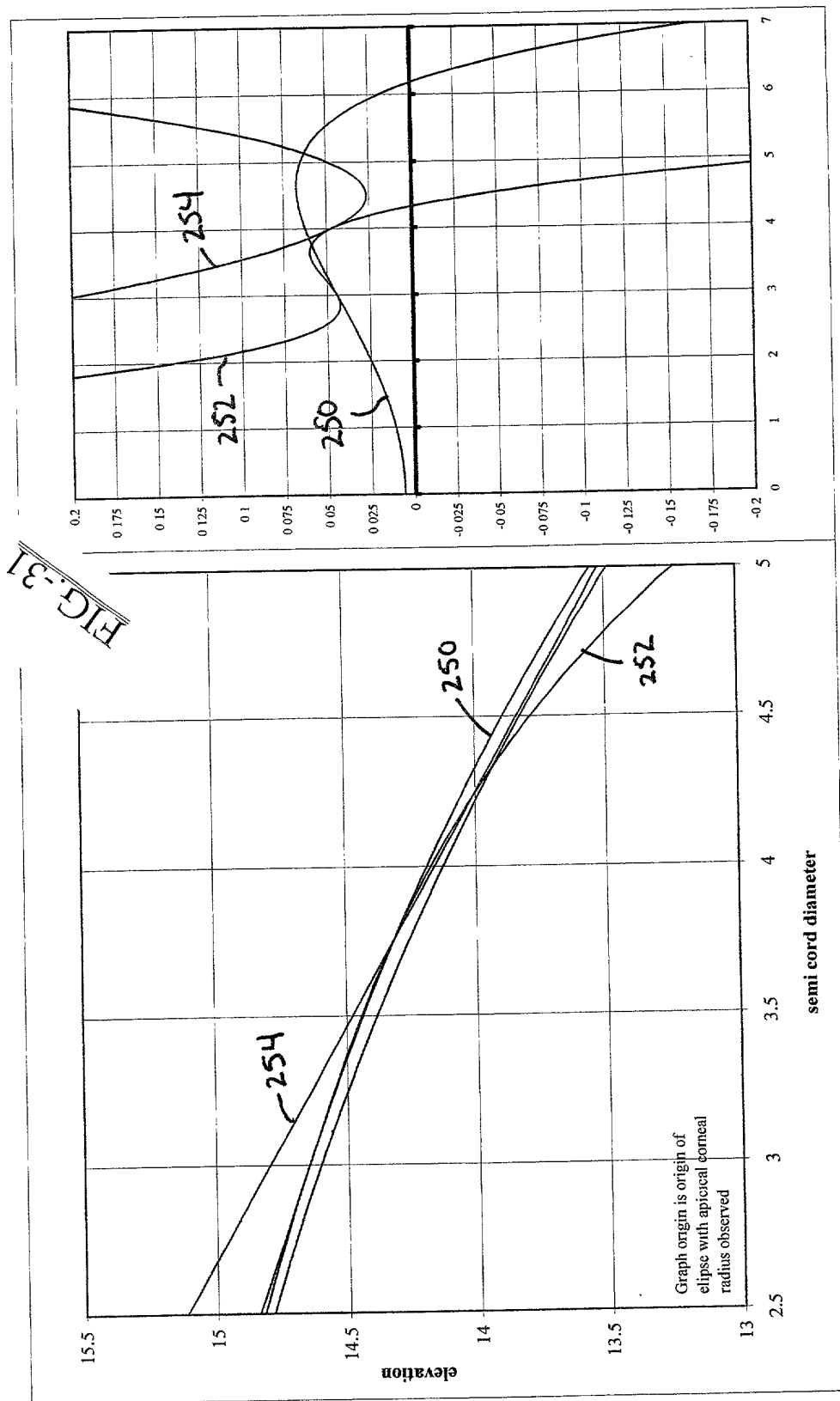


FIG.-32

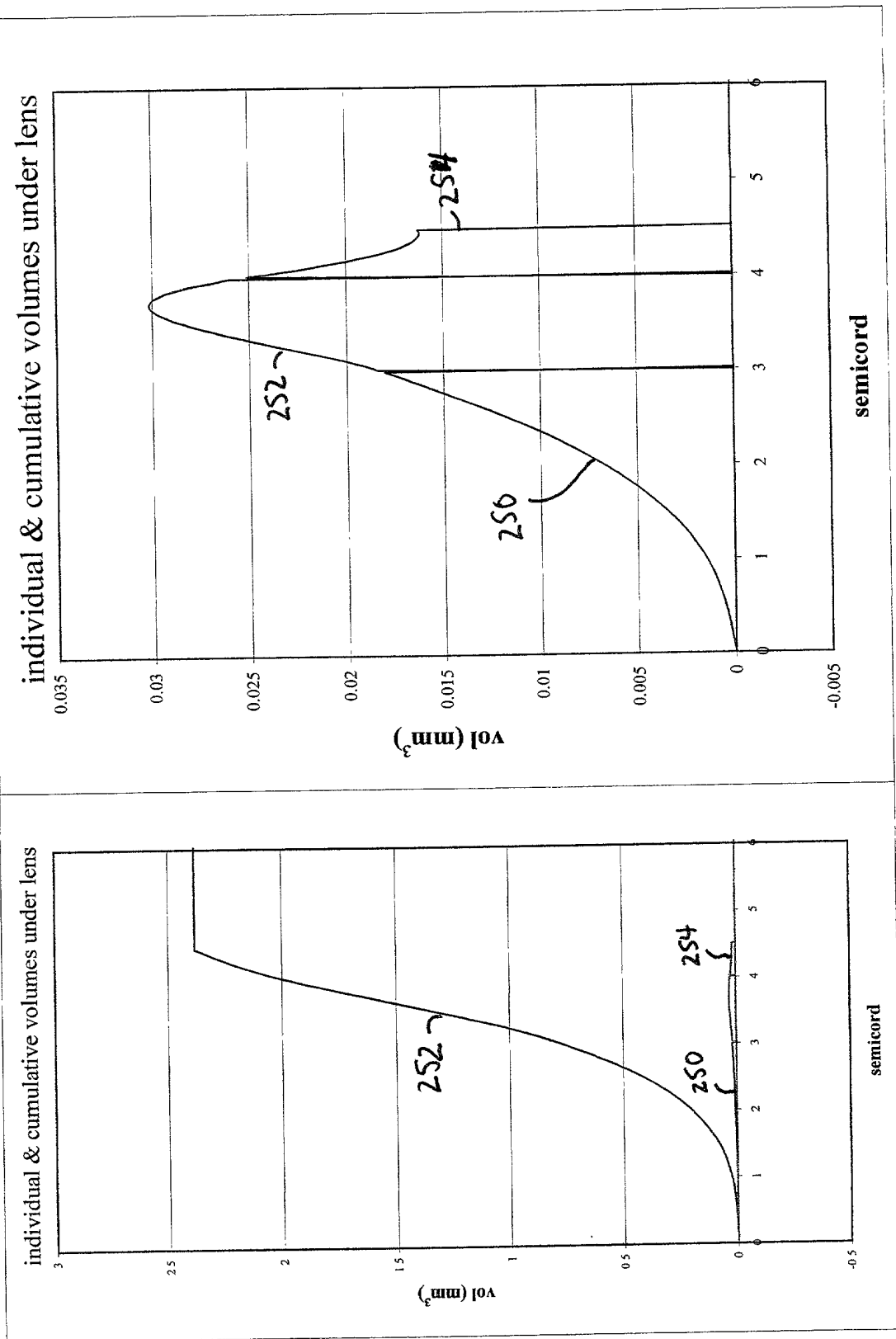


FIG.-33

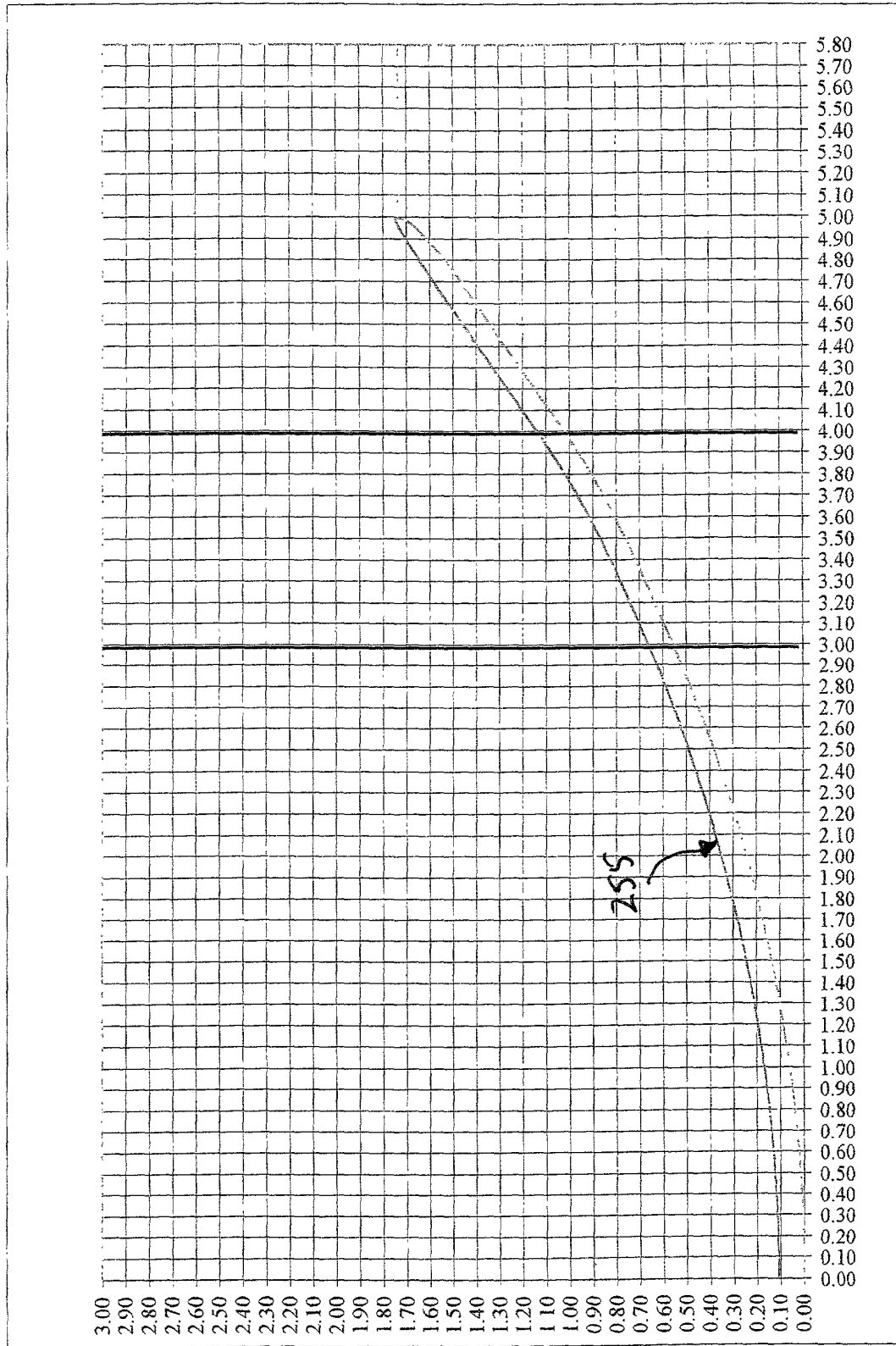
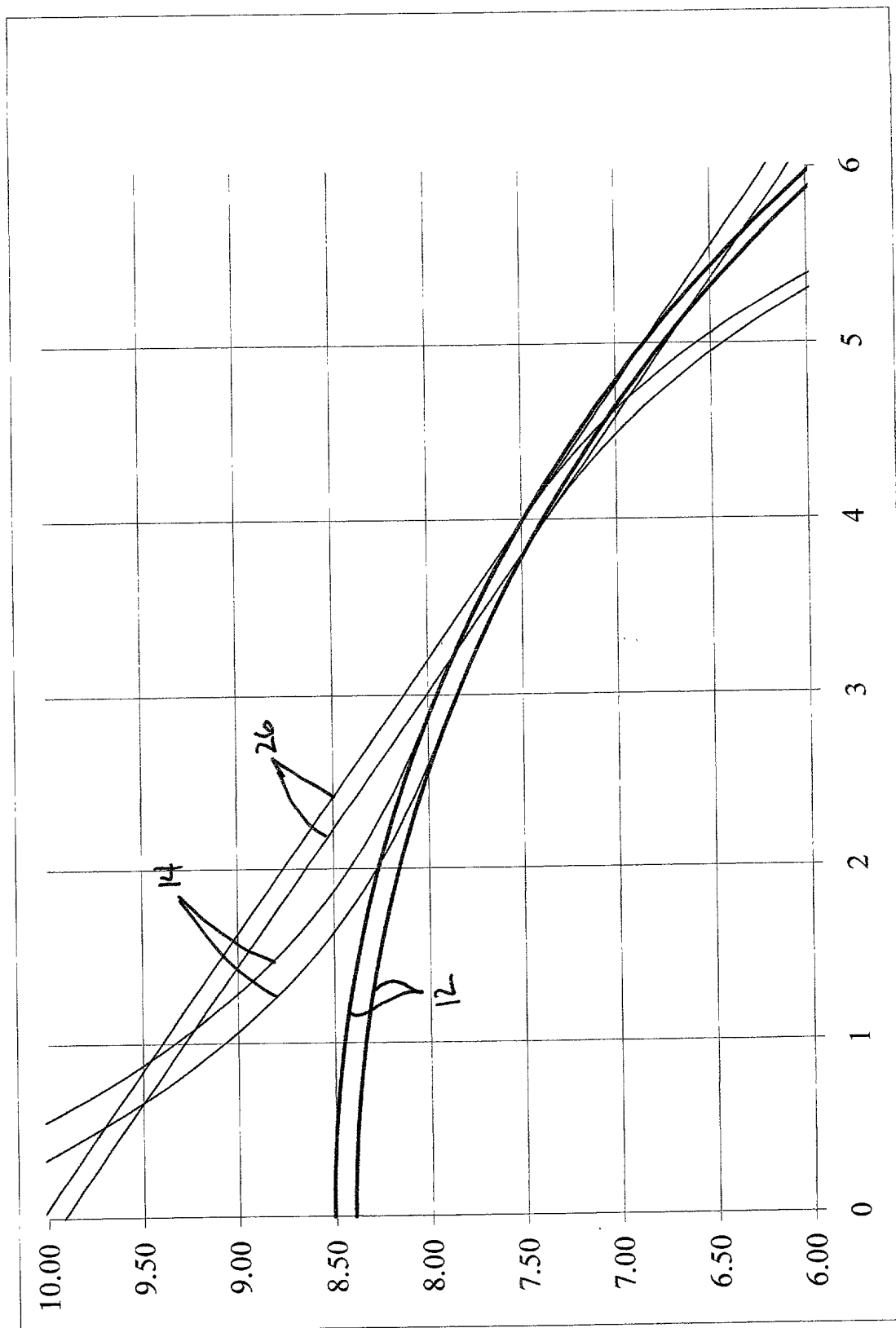


FIG.-34



Selected bc (6.9-10.4/0.1) (7.70-9.1/0.05)		Suggested Base Curve is 7.5		200			
BC	Radial distance (OZ/2) from the lens center to 1st junction mm (1.0-5.9/0.1)	7.50	5B	corneal apical radius (mm)	lens / cornea power (D) difference wanted	ellipticity of the cornea	HVID (mm)
J1	Width of the S curve mm (75,1)	2.50	EYE	7.8	2.00	0.3	11.9
SW	Lens material (FP30, FP60, FP92, FP151, HDS, Other)	210	Ref. Index of material used = 1.449 If 'other' was selected input RI in Cell H4	Volume between BC and cornea (uL) = 0.298	Actual power (D) difference between bc and apical cornea = 1.73	Desired edge lift (mm) when landed at full Diameter = 0.062	1.45
MAT	lens power desired (-1.00, -0.50, 0.00, 0.50, 1.0, 1.25, 1.5, 2.0, 2.5)	HDS	Front Surface central radius = 7.49	Volume between S curve and cornea (uL) = 1.383	Recommended diameter for lentic = 5.737	Ab, the long axis of the ellipse creating the base curve edge (below)	FOR SPHERICAL FRONTS target edge thickness below
P	Delta R (mm) translation of 1st junction radially from BC origin (0.08-0.2/0.02)	0.50	True center thickness (mm) = 0.149	Volume between pretouch Landing Zone and cornea (uL) = 0.491	recommended radius of curve for lentic = 8.482		0.18
Q2	Delta R (mm) translation of 2nd junction radially from BC origin (0.1-0.22/0.02)	0.14	true offset between landing zones at J2 = 0.180	TOTAL VOLUME = 2.171(uL)	Origin for lentic curve is on y axis displaced from apex of front curve = 8.553	AF the long axis of the ellipse creating the front curve edge (below)	SPHERICAL FRONTS- max thickness peripheral to J1 before lentic (in mm > Delta 2) see below
A	Angle of the landing zone (-25.5 to -50.0/5)	0.18	Present lens height (mm) above cornea at diameter of tangential touch = 0.024	Diameter where LZ would make tangential touch = 9.08	Estimated elevation at J2 = 0.056		0.01
D	selected lens diameter mm (8.0-12.9/0.1)	-35.00	Diameter recommended from HVID = 10.9	Dia giving desired LZ lift = 10.52	fixed (tear thickness)	base to front at which the transition from base elpsc to front ellipse is found (below)	Minimum thickness peripheral to J1 before lentic (in mm > Delta 1) see below
SD	Selected depth of the S curve mm (15-1.0/0.05) (0.3-0.65/0.025) use next smaller than est.	10.00	Recommended depth (mm) S curve for desired correction @6u/D = 0.646 mm	Edge lift at selected diameter = 0.047	0.024		0.01

FIG - 35

FIG.-36

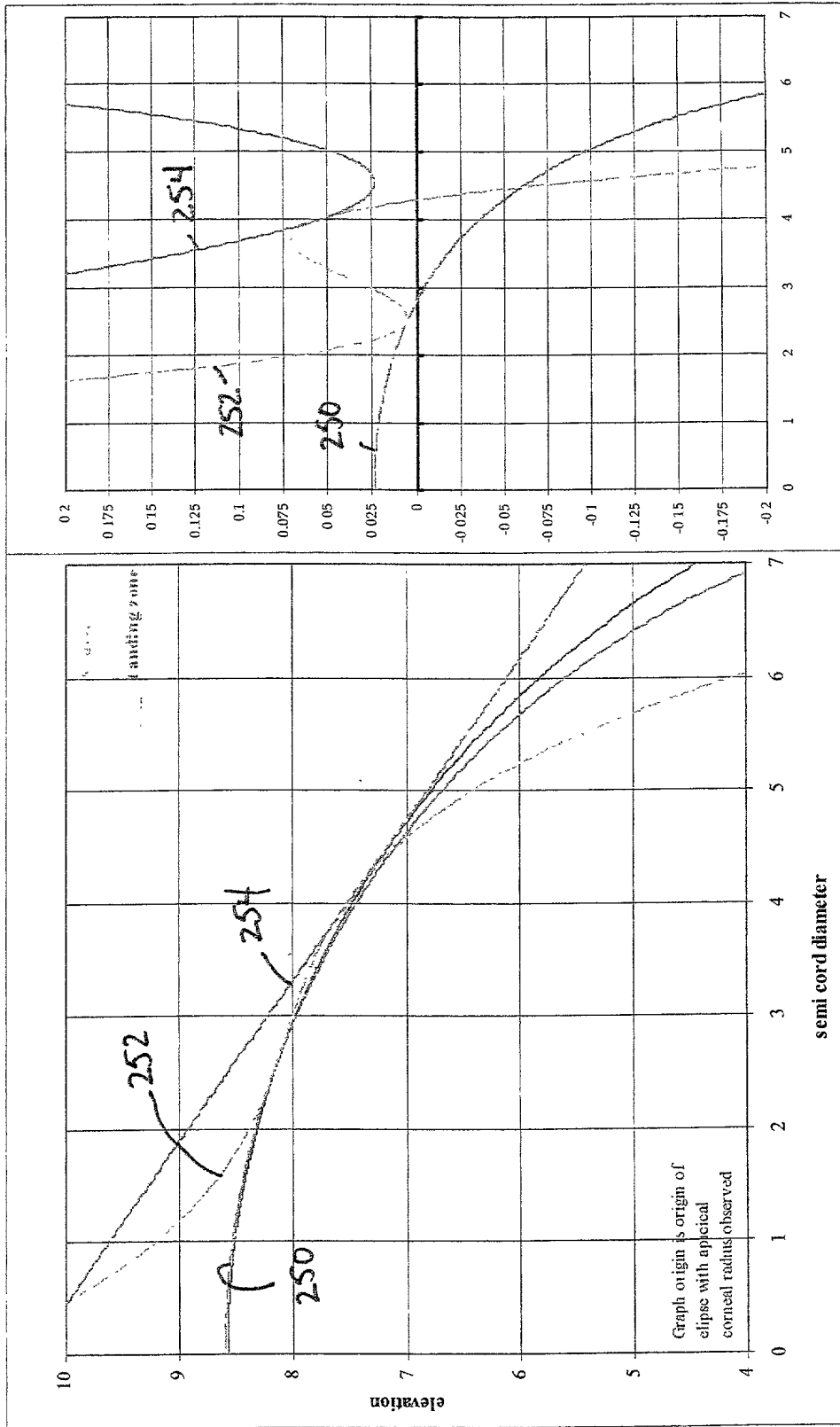


FIG. 37

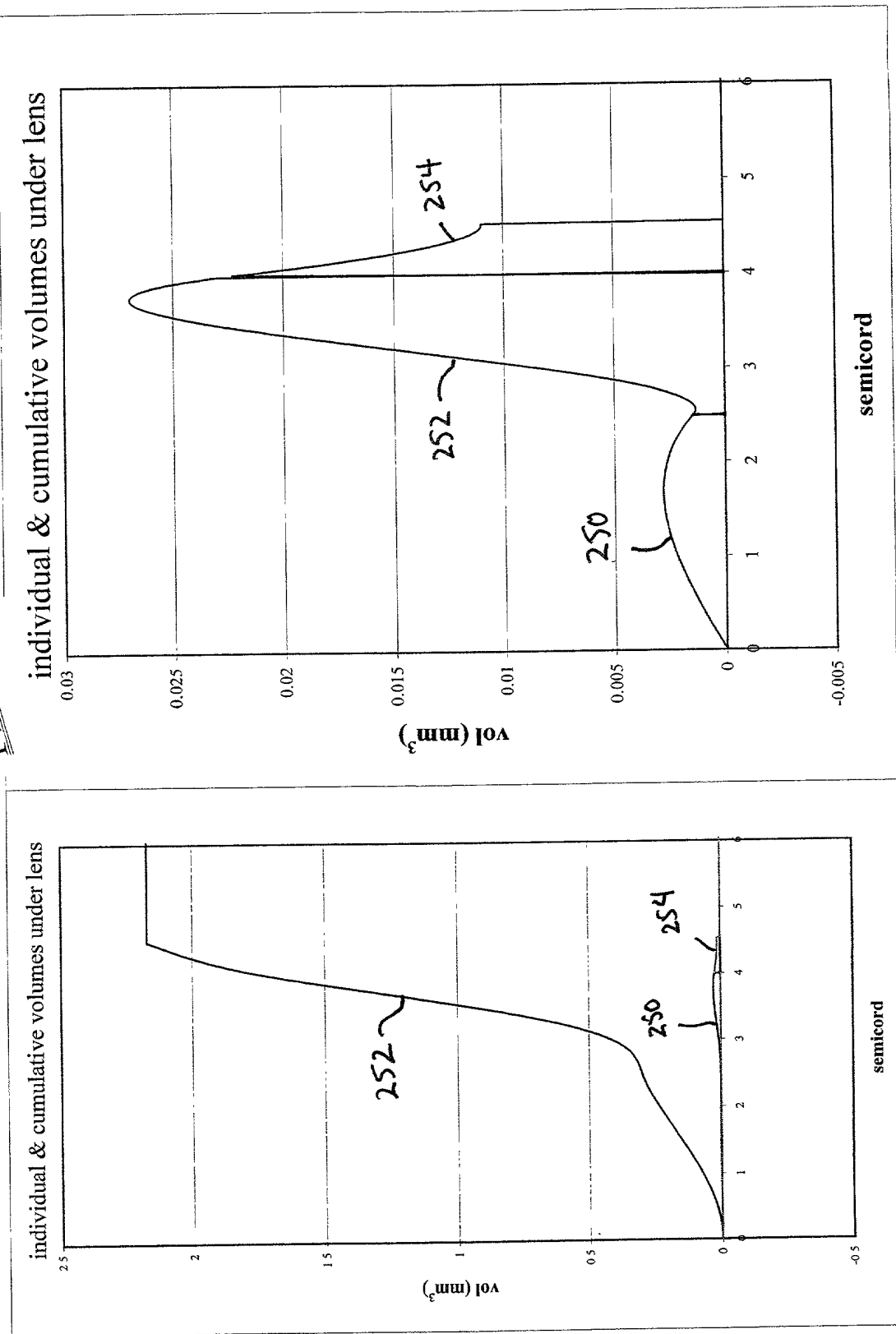


FIG.-38

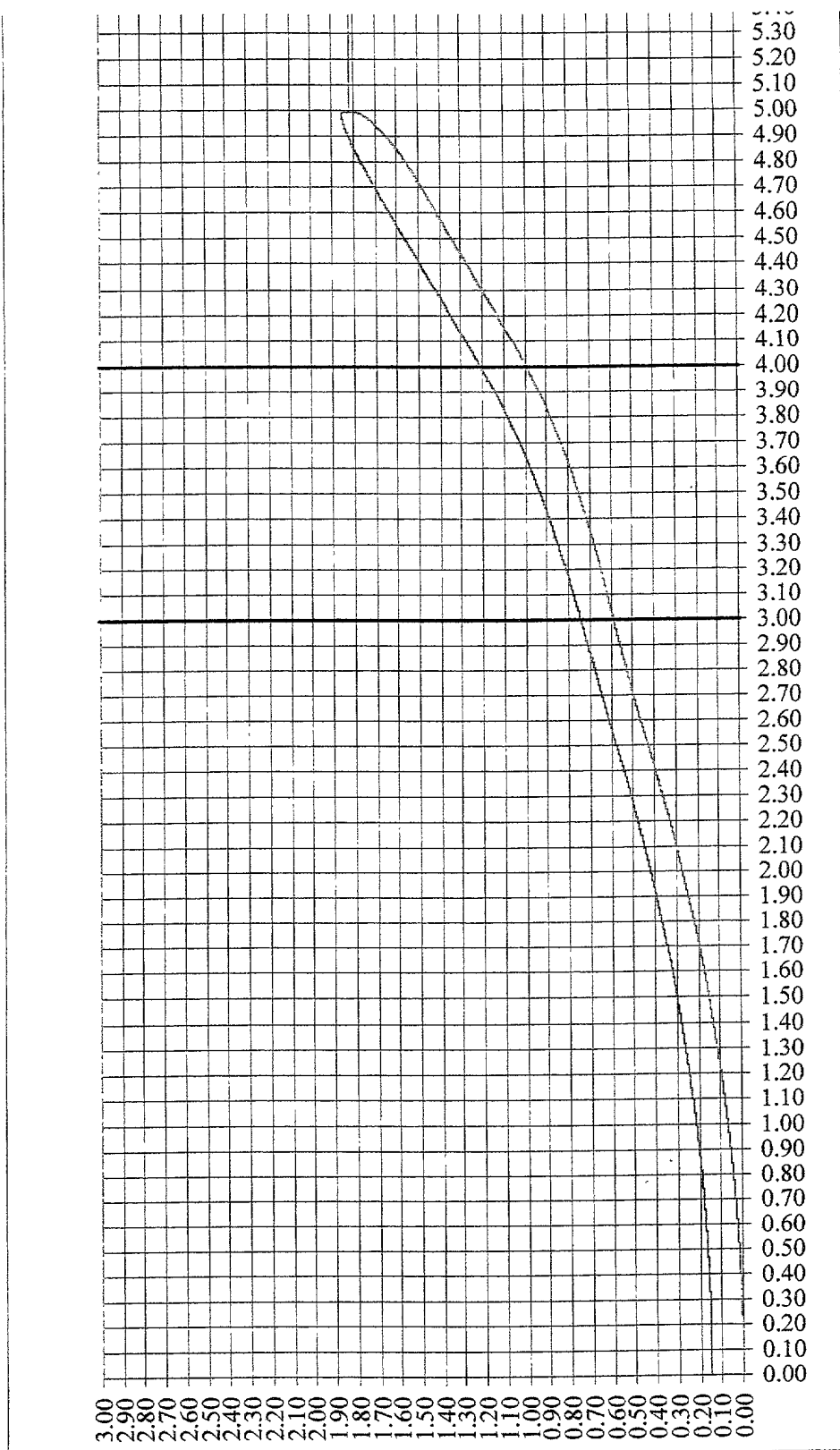


FIG.-39

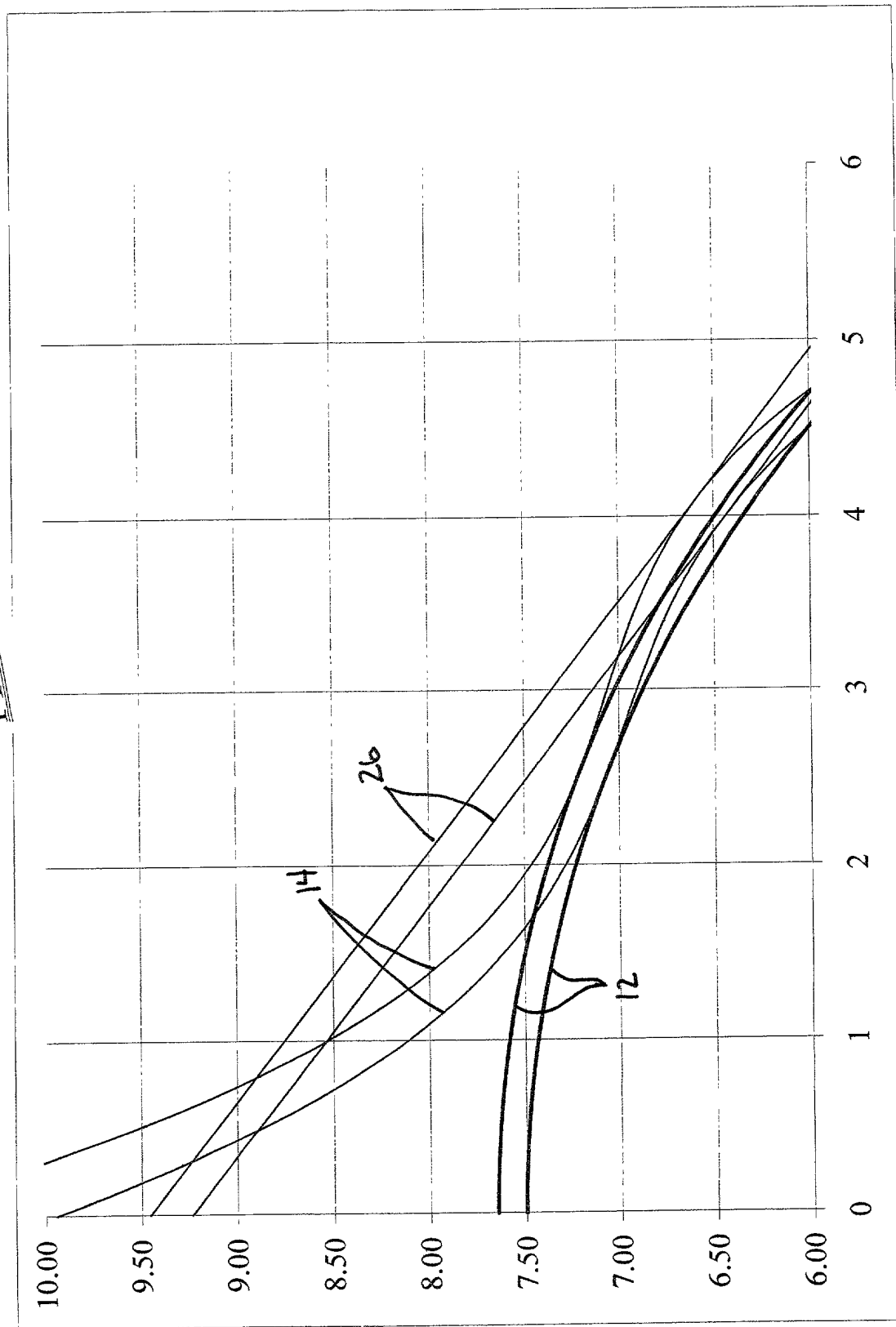
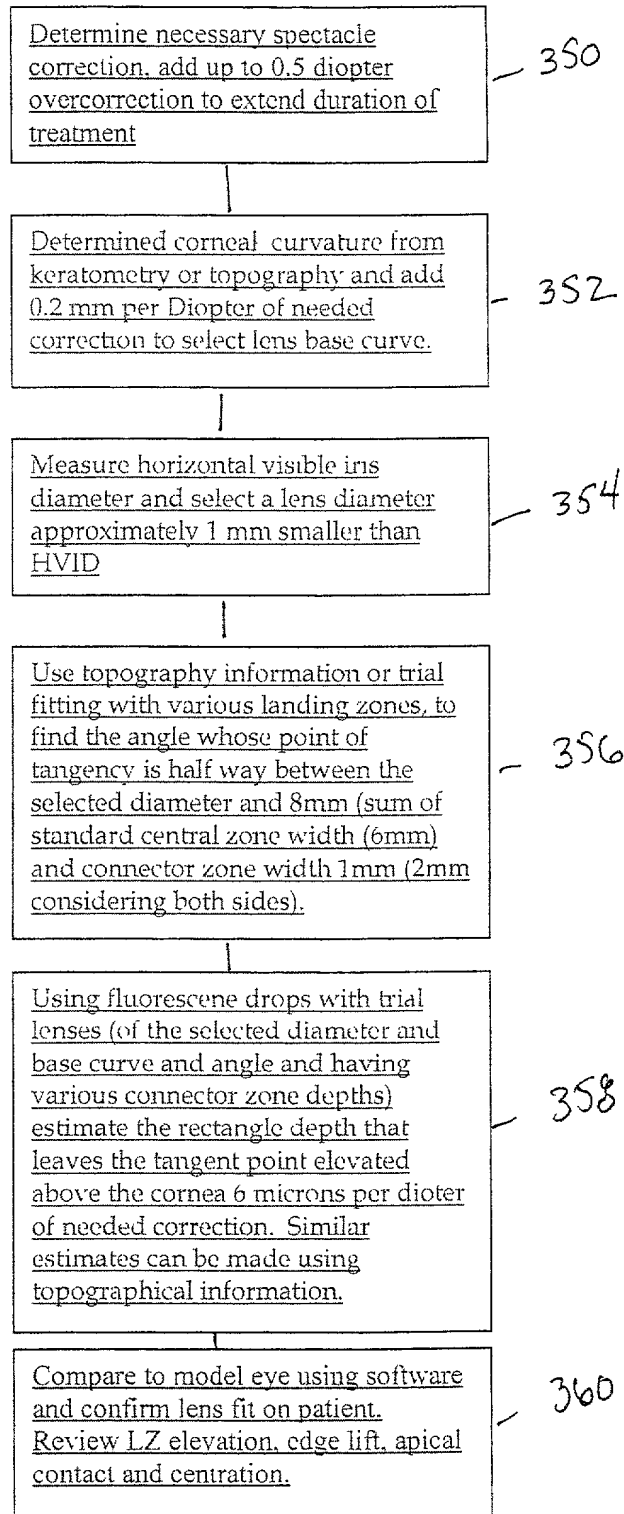


FIG. - 40



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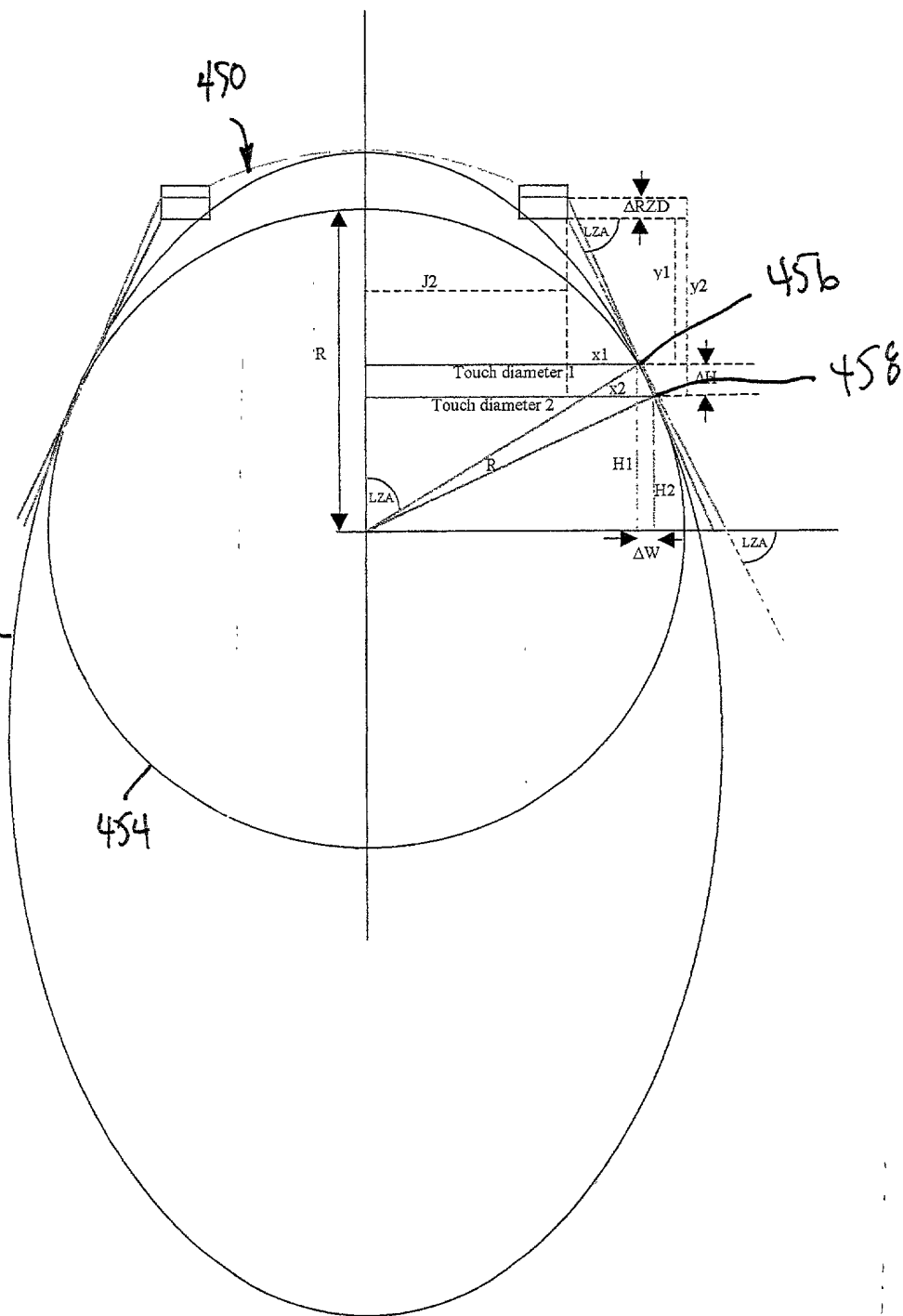


FIG.-4

FIG-42

